



Introducing



15", 17" and 19" PT Dual Controller Capacitive Touchscreen Products with New Enclosure! (see page 7 for details) ▼



19", 20" and 22" Widescreen LCDs from Planar! (see page 14 for details) ▼



When Image Experience Matters

Why Planar...



Display Knowledge

For 25 years Planar has provided innovative specialty display solutions.

- Touchscreen displays for POS, retail, manufacturing & kiosks
- Digital DLP® and 3LCD technology projectors for education, business and installation.
- Desktop displays for business, government and education
- Integrated Thin Client network displays for healthcare, education, call centers
- Planar is a U.S. based company with Corporate Headquarters in Beaverton, Oregon

25 years

Display Interaction

We make it easy to Buy Planar. We'll help your sales rep bring you the best display solutions.

- No commitment demo program
- Joint sales calls



Display Responsiveness

Planar's Bid Desk is second to none! Give us a try and we'll prove it.

- Quick quotes in less than 4 hours
- Long-term pricing available
- Annual contract pricing, available for Corporate and Government organizations
- Low minimum quantity for volume discounts



Display Integrity

Planar offers the industry's best standard warranty. Our Customer First™ Warranty and first rate customer support have earned us a stellar reputation.

- 3 year 2 day advance replacement on network displays, touchscreen displays, projectors and desktop monitors. We pay shipping both ways for the whole 3 years!



Planar

Your Best Source
for Touchscreens



Capacitive Touchscreens
with Dual Controller!

Responsive Bid Desk

with 4-hour turnaround time commitment

Demo Program

to help close business

Dedicated Sales Team

to help the channel sell more
touch screen monitors

3-Year Customer First™ Warranty

featuring FREE 2-Day Advance Replacement

World-Class

resistive, capacitive and SAW touch screen
products – desktop and open-frame

Pre-Sales Technical Support

for configuration or integration questions

TARGET VERTICALS

MARKET	TOUCH TECHNOLOGY		
	RESISTIVE	CAPACITIVE	SAW
RETAIL/POS	X	X	X
HEALTHCARE	X		X
HOSPITALITY	X	X	X
SPECIAL NEEDS EDUCATION	X		X
SELF-SERVE KIOSKS		X	X
RESTAURANTS	X	X	
CASINO GAMING		X	X



TECHNOLOGY COMPARISONS

TOUCH TECHNOLOGY	FEATURES		
	CLARITY	INPUT	DURABILITY
RESISTIVE	Good	Finger, Gloved Hand, Stylus, Credit Card	Average
CAPACITIVE	Best	Requires Human Touch	High
SAW	Best	Finger, Gloved Hand, Soft-Tipped Stylus	High

Touch Screen LCDs - Economical and Point of Sale



SPECIFICATIONS	PT1510MX - 15" Touch	PT1710MX - 17" Touch
Planar Part Number	● PT1510MX-BK 997-3198-00 ● PT1510MX-WH 997-3394-00	● PT1710MX-BK 997-3349-00 ● PT1710MX-WH 997-3351-00
Touch Screen Type	5-wire Resistive touch screen	5-wire Resistive touch screen
Touch Screen Interface	Dual Serial/USB	Dual Serial/USB
Brightness (w/touch screen)	190 cd/m ²	228 cd/m ²
Brightness (w/o touch screen)	250 cd/m ²	300 cd/m ²
Compatibility	Windows® VISTA, XP, 2000, XP Embedded	Windows® VISTA, XP, 2000, XP Embedded
Card Swipe/MSR	-	-
Contrast Ratio (typical)	500:1	800:1
Response Time (typical)	8 ms	5 ms (3.5 ms rise, 1.5 ms fall)
Viewing Angle	140° H, 125° V	170° H, V
Input Options	Analog	Analog
Power Supply	External	External
Power Requirements	100 - 240 VAC, 50/60Hz	100 - 240 VAC, 50/60Hz
Power Consumption (operational)	30W (3W standby)	40W (2W standby)
External Connections	D-sub 15-pin, D-sub 9-pin 1/8" audio jack Type B socket USB	D-sub 15-pin, D-sub 9-pin 1/8" audio jack Type B socket USB
Audio - Built-in Speakers	Yes, 1W/ch	Yes, 1W/ch
Features	Anti-Glare Coating Multi-language support On screen display (OSD) Kensington® Security Slot	Anti-Glare Coating Multi-language support On screen display (OSD) Kensington® Security Slot
Tilt Range	-3 to +25°	-3 to +25°
Display Active Area (WxH)	11.97" x 8.98"	13.30" x 10.64"
Native Resolution	1024 x 768	1280 x 1024
Dimensions (w/ stand) (WxHxD)	15.9" x 15.3" x 7.5" (403.9 mm x 388.6 mm x 190.5 mm)	16.3 x 16.2 x 8.3 (414 mm x 411.5 mm x 210.8 mm)
Dimensions (w/o stand) (WxHxD)	15.9" x 12.3" x 2.2" (403.9 mm x 312.4 mm x 55.9 mm)	16.3 x 14.2 x 2.5 (414 mm x 360.7 mm x 63.5 mm)
Weight (w/stand)	10.4 lbs. (4.7 kg) (net) 14.9 lbs. (6.8 kg) (shipping)	14.7 lbs. (6.7 kg) (net) 20.2 lbs. (9.2 kg) (shipping)
Weight (w/o stand)	7.9 lbs. (4.7 kg)	11.1 lbs. (5 kg)
Approvals	UL/cUL, FCC-B, CE-B, TUV, RoHS CCC, China RoHS	UL/cUL, FCC-B, CE-B, TUV, RoHS CCC, China RoHS
Customer First™ Warranty	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement
VESA Compatible/Location	Built-in 75 mm VESA, back	Built-in 100 mm VESA, back
Planar® Versatility™ Mount	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.

SPECIFICATIONS	PT1550MX - 15" Touch
Planar Part Number	● PT1550MX-BK 997-5593-00
Touch Screen Type	5-wire Resistive touch screen
Touch Screen Interface	Dual RS-232 Serial/USB
Brightness (w/touch screen)	200 cd/m ²
Brightness (w/o touch screen)	250 cd/m ²
Compatibility	Windows® VISTA, XP, 2000, ME, 98, CE, XP Embedded, Linux, Apple® Mac OS
Card Swipe/MSR	Integrated bi-directional 3-track card swipe/MSR (magnetic stripe reader)
Contrast Ratio (typical)	500:1
Response Time (typical)	8 ms (2 ms rise, 6 ms fall)
Viewing Angle	140° H, 125° V (+65/-60)
Input Options	Analog
Power Supply	Internal, 12V DC power connector. (Optional DC power supply may be sourced separately)
Power Requirements	100 - 240 VAC
Power Consumption (operational)	30W
External Connections	D-sub 15-pin, D-sub 9-pin DC power connector Type B socket USB Stereo jack - 3 mm
Audio - Built-in Speakers	Yes, 1W/ch
Features	Anti-Glare Coating Multi-language support On screen display (OSD) Kensington® Security Slot
Tilt Range	-5 to 90°
Display Active Area (WxH)	11.97" x 8.98"
Native Resolution	1024 x 768
Dimensions (w/ stand) (WxHxD)	16" x 12.6" x 8.1" (406.4 mm x 321.4 mm x 206.1 mm)
Dimensions (w/o stand) (WxHxD)	16" x 11.6" x 2.4" (406.4 mm x 294.6 mm x 61.5 mm)
Weight (w/stand)	12.8 lbs. (5.8 kg) (net) 17.4 lbs. (7.9 kg) (shipping)
Weight (w/o stand)	9.9 lbs (4.5 kg)
Approvals	UL/cUL, FCC-B, TUV-T, CE, CB, RoHS
Customer First™ Warranty	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement
VESA Compatible/Location	Built-in 75 mm VESA, back
Planar® Versatility™ Mount	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.

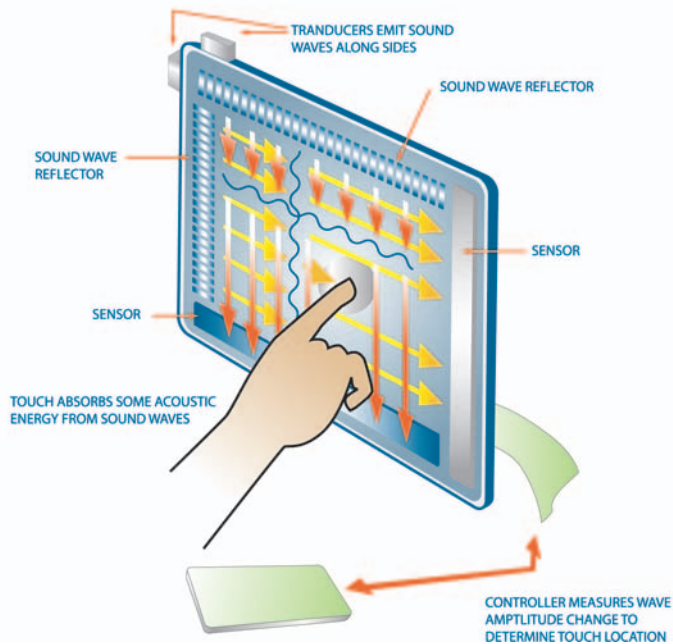
ECONOMICAL -
cost-effective touch
screen LCDs

POINT OF SALE -
perfect for kiosk
integrators, VARs
and OEMs in
POS applications

Why SAW Touch?

- Durable glass construction
- High optical clarity
- Activated by a finger, gloved hand or soft tip
- Applications -
 - Healthcare
 - Retail
 - Point of Sale
 - Hospitality

How it WORKS.

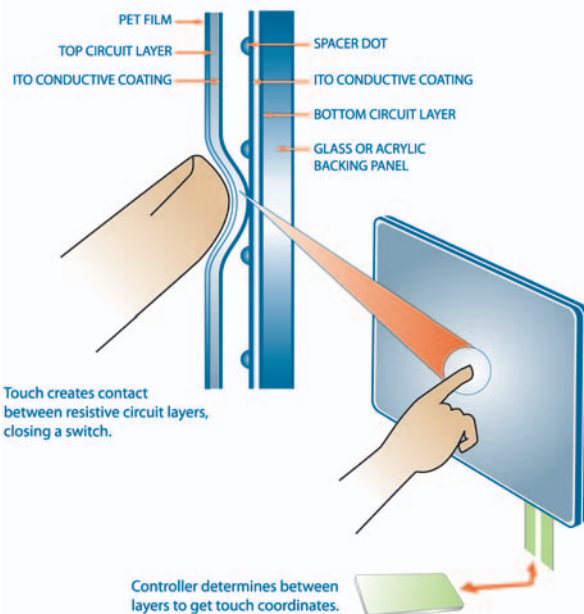


SPECIFICATIONS	PT1505MU - 15" Touch	PT1705MU - 17" Touch	PT1915MU - 19" Touch
Planar Part Number	● PT1505MU-BK 997-4408-00	● PT1705MU-BK 997-4409-00	● PT1915MU-BK 997-4410-00
Touchscreen Type	SAW (Surface Acoustic Wave)	SAW (Surface Acoustic Wave)	SAW (Surface Acoustic Wave)
Touch Screen Interface	USB	USB	USB
Brightness (w/touchscreen)	225 cd/m2	270 cd/m2	270 cd/m2
Brightness (w/o touchscreen)	250 cd/m2	300 cd/m2	300 cd/m2
Compatibility	Windows® VISTA, XP, 2000, 98, XP Embedded	Windows® VISTA, XP, 2000, 98, XP Embedded	Windows® VISTA, XP, 2000, 98, XP Embedded
Contrast Ratio (typical)	500:1	800:1	800:1
Response Time (typical)	8 ms (2 ms rise, 6 ms fall)	5 ms (3.6 ms rise, 1.4 ms fall)	5 ms (3.6 ms rise, 1.4 ms fall)
Viewing Angle	140° H, 125° V (+65/-60)	170° H, 160° V	160° H, V
Input Options	Analog	Analog	Analog, DVI-D
Power Supply	Internal, 12V DC power connector (Optional DC power supply may be sourced separately)	Internal, 12V DC power connector (Optional DC power supply may be sourced separately)	Internal, 12V DC power connector (Optional DC power supply may be sourced separately)
Power Requirements	100 - 240 VAC	100 - 240 VAC	100 - 240 VAC
Power Consumption	30W	50W	50W
External Connections	D-sub 15-pin, DC power connector, Type B socket USB, Stereo jack - 3 mm	D-sub 15-pin, DC power connector, Type B socket USB, Stereo jack - 3 mm	D-sub 15-pin, DVI-D, DC power connector, Type B socket USB, Stereo jack - 3 mm
Audio - Built-in Speakers	Yes, 1W/ch	Yes, 1W/ch	Yes, 1W/ch
Features	Anti-Glare Coating, Multi-language support, On screen display (OSD), Kensington® Security Slot	Anti-Glare Coating, Multi-language support, On screen display (OSD), Kensington® Security Slot	Anti-Glare Coating, Multi-language support, On screen display (OSD), Kensington® Security Slot
Tilt Range	-5 to 90°	-5 to 90°	-5 to 90°
Display Active Area (WxH)	11.97" x 8.98"	13.30" x 10.64"	14.81" x 11.85"
Native Resolution	1024 x 768	1280 x 1024	1280 x 1024
Dimensions (w/stand) (WxHxD)	14.3" x 12.6" x 8.1" (364 mm x 321.4 mm x 206.1 mm)	15.8" x 14.6" x 8.9" (400 mm x 370.7 mm x 225 mm)	17.2" x 16.0" x 10.5" (438 mm x 405.5 mm x 266.2 mm)
Dimensions (w/o stand) (WxHxD)	14.3" x 11.6" x 2.4" (364 mm x 294.6 mm x 61.5 mm)	15.8" x 13.3" x 2.7" (400 mm x 337.8 mm x 68.6 mm)	17.2" x 14.6" x 2.7" (438 mm x 370.8 mm x 68.6 mm)
Weight (w/stand)	12.5 lbs. (5.7 kg) (net) 16.9 lbs. (7.7 kg) (shipping)	17.2 lbs. (7.8 kg) (net) 22.5 lbs. (10.2 kg) (shipping)	19.6 lbs. (8.9 kg) (net) 25.8 lbs. (11.7 kg) (shipping)
Weight (w/o stand)	9.5 lbs. (4.3 kg)	13.6 lbs. (6.2 kg)	14.1 lbs. (6.4 kg)
Approvals	UL/cUL, FCC-B, TUV-T, CE, CB, RoHS	UL/cUL, FCC-B, TUV-T, CE, CB, RoHS	UL/cUL, FCC-B, TUV-T, CE, CB, RoHS
Customer First™ Warranty	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement
VESA Compatible/Location	Built-in 75 mm VESA, back	Built-in 75/100 mm VESA, back	Built-in 75/100 mm VESA, back
Planar® Versatility™ Mount	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.

Why RESISTIVE Touch?

- Cost effective solution
- Activated by a stylus, a finger or gloved hand
- Functions even if damaged
- Applications -
 - Healthcare
 - Hospitality
 - High-Volume Retail Environments

How it WORKS.



SPECIFICATIONS	PT1500MX - 15" Touch	PT1700MX - 17" Touch	PT1910MX - 19" Touch
Planar Part Number	● PT1500MX-BK 997-3981-00 ● PT1500MX-WH 997-3982-00	● PT1700MX-BK 997-4158-00 ● PT1700MX-WH 997-4159-00	● PT1910MX-BK 997-3985-00 ● PT1910MX-WH 997-3986-00
Touch Screen Type	5-wire Resistive touch screen	5-wire Resistive touch screen	5-wire Resistive touch screen
Touch Screen Interface	Dual RS-232 Serial/USB	Dual serial/USB	Dual RS-232 Serial/USB
Brightness (w/touch screen) (typical)	200 cd/m ²	240 cd/m ²	240 cd/m ²
Brightness (w/o touch screen) (typical)	250 cd/m ²	300 cd/m ²	300 cd/m ²
Compatibility	Windows® Vista, XP, 2000, ME, 98, CE, XP Embedded, Mac OS, Linux	Windows® Vista, XP, 2000, ME, 98, CE, XP Embedded, Mac OS, Linux	Windows® VISTA, XP, 2000, 98, XP Embedded, Linux, Apple® Mac
Transmissivity	80 + 2%	80 + 2%	800:1
Contrast Ratio (typical)	500:1	800:1	800:1
Response Time (typical)	8 ms (2 ms rise, 6 ms fall)	5 ms (3.6 ms rise, 1.4 ms fall)	5 ms (3.6 ms rise, 1.4 ms fall)
Viewing Angle	140° H, 125° V (+65/-60)	170° H, 160° V	160° H, V
Input Options	Analog	Analog	Analog, DVI-D
Power Supply	Internal, 12V DC power connector (Optional DC power supply may be sourced separately)	Internal, 12V DC power connector (Optional DC power supply may be sourced separately)	Internal, 12V DC power connector (Optional DC power supply may be sourced separately)
Power Requirements	100 - 240 VAC	100 - 240 VAC	100 - 240 VAC
Power Consumption (operational)	30W	50W	50W
External Connections	D-sub 15-pin, DC Power Connector Type B socket USB Stereo jack - 3 mm D-sub 9-pin RS232	D-sub 15-pin, DC Power Connector Type B socket USB Stereo jack - 3 mm D-sub 9-pin RS232	D-sub 15-pin, D-sub 9-pin DVI-D, DC power connector Stereo jack - 3 mm Type B socket USB
Audio - Built-in Speakers	Yes, 2 Speakers, 1W/ch	Yes, 2 speakers, 1W/ch	Yes, 1W/ch
Features	Anti-Glare Coating Multi-language support On screen display (OSD) Kensington® Security Slot	Anti-Glare Coating Multi-language support On screen display (OSD) Kensington® Security Slot	Anti-Glare Coating Multi-language support On screen display (OSD) Kensington® Security Slot
Tilt Range	-5 to +90°	-5 to +90°	-5 to 90°
Display Active Area (WxH)	11.97" x 8.98"	13.30" x 10.64"	14.81" x 11.85"
Native Resolution	1024 x 768	1280 x 1024	1280 x 1024
Dimensions (w/stand) (WxHxD)	14.3" x 12.6" x 8.1" (364 mm x 320.4 mm x 205.4 mm)	15.8" x 14.6" x 8.9" (400 mm x 370.7 mm x 225 mm)	17.2" x 16.0" x 10.5" (438 mm x 405.5 mm x 266.2 mm)
Dimensions (w/o stand) (WxHxD)	14.3" x 11.6" x 2.4" (364 mm x 295 mm x 61.5 mm)	15.8" x 13.3" x 2.7" (400 mm x 338.0 mm x 225.0 mm)	17.2" x 14.6" x 2.7" (438 mm x 370.8 mm x 68.6 mm)
Weight (w/stand)	13.0 lbs. (5.9 kg) 17.4 lbs (7.9 kg) (shipping)	17.2 lbs. (7.8 kg) 22.5 lbs. (10.2 kg) (shipping)	19.6 lbs (8.9 kg) (net) 25.8 lbs. (11.7 kg) (shipping)
Weight (w/o stand)	9.5 lbs. (4.3 kg)	13.6 lbs. (6.2 kg)	14.1 lbs. (6.4 kg)
Approvals	UL/cUL, FCC-B, TUV-T, CE, CB, RoHS	UL/cUL, FCC-B, TUV-T, CE, CB, RoHS	UL/cUL, FCC-B, TUV-T, CE, CB, RoHS
Customer First™ Warranty	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement
VESA Compatible/Location	Built-in 75 mm VESA, back	Built-in 75/100 mm VESA, back	Built-in 75/100 mm VESA, back
Planar® Versatility™ Mount	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.

*Specified at CR≥5:1. All other LCDs specified at CR≥10:1.

Touch Screen LCDs - Capacitive



SPECIFICATIONS	PT1501MU - 15" Touch	PT1501MX - 15" Touch	PT1701MU - 17" Touch	PT1701MX - 17" Touch	PT1911MU - 19" Touch	PT1911MX - 19" Touch
Planar Part Number	● PT1501MU-BK 997-2947-00	● PT1501MX-BK 997-3983-00	● PT1701MU-BK 997-2959-00	● PT1701MX-BK 997-4160-00	● PT1911MU-BK 997-2687-00 ● PT1911MU-WH 997-2688-00	● PT1911MX-BK 997-3987-00
Touch Screen Type	3M® Capacitive touch screen	Capacitive touch screen	3M® Capacitive touch screen	Capacitive touch screen	3M® Capacitive touch screen	Capacitive touch screen
Touch Screen Interface	USB	Dual Serial/USB	USB	Dual Serial/USB	USB	Dual Serial/USB
Brightness (w/touchscreen)	320 cd/m2	210 cd/m2	275 cd/m2	250 cd/m2	275 cd/m2	250 cd/m2
Brightness (w/o touchscreen)	350 cd/m2	250 cd/m2	300 cd/m2	300 cd/m2	300 cd/m2	300 cd/m2
Compatibility	Windows® Vista, XP, 2000, 98, Server 2003, XP Embedded	Windows® Vista, XP, 2000, ME, 98, CE, XP Embedded, Linux, Apple® Mac OS	Windows® Vista, XP, 2000, 98, Server 2003, XP Embedded	Windows® Vista, XP, 2000, ME, 98, CE, XP Embedded, Linux, Apple® Mac OS	Windows® Vista, XP, 2000, 98, Server 2003, XP Embedded	Windows® Vista, XP, 2000, ME, 98, CE, XP Embedded, Linux, Apple® Mac OS
Contrast Ratio (typical)	400:1	500:1	800:1	800:1	1000:1	800:1
Response Time (typical)	16 ms (4 ms rise, 12 ms fall)	8 ms (2 ms rise, 6 ms fall)	5 ms (3.5 ms rise, 1.5 ms fall)	5 ms (3.5 ms rise, 1.4 ms fall)	5 ms (1.3 ms rise, 3.7 ms fall)	5 ms (3.6 ms rise, 1.4 ms fall)
Viewing Angle	150° H, 125° V (+50/-75)*	140° H, 125° V (+65/-60)	170° H, V	170° H, 160° V	178° H, V*	160° H, V
Input Options	Analog	Analog	Analog	Analog	Analog, DVI-D	Analog, DVI-D
Power Supply	External	Internal, 12V DC power connector (Optional DC power supply may be sourced separately)	External	Internal, 12V DC power connector (Optional DC power supply may be sourced separately)	External	Internal, 12V DC power connector (Optional DC power supply may be sourced separately)
Power Requirements	100 - 240 VAC, 50/60 Hz	100 - 240 VAC, 50/60 Hz	100 - 240 VAC, 50/60 Hz	100 - 240 VAC, 50/60 Hz	100 - 240 VAC, 50/60 Hz	100 - 240 VAC, 50/60 Hz
Power Consumption (operational)	30W (3W standby)	30W	40W (3W standby)	50W	60W (5W standby)	55W
External Connections	D-sub 15-pin, 1/8" audio jack, Type B socket, USB	D-sub 15-pin, D-sub 9-pin, DC power connector, Type B socket, USB, Stereo jack - 3 mm	D-sub 15-pin, 1/8" audio jack, Type B socket, USB, Stereo jack - 3 mm	D-sub 15-pin, D-sub 9-pin, DC power connector, Type B socket, USB, Stereo jack - 3 mm	D-sub 15-pin, 1/8" audio jack, Type B socket, USB, USB 2+1 hub, DVI-D	D-sub 15-pin, D-sub 9-pin, DC power connector, Type B socket, USB, Stereo jack - 3 mm, DVI-D
Audio - Built-in Speakers	Yes, 1W/ch	Yes, 1W/ch	Yes, 1W/ch	Yes, 1W/ch	Yes, 1W/ch	Yes, 1W/ch
Features	Anti-Glare Coating, Multi-language support, On screen display (OSD), Kensington® Security Slot	Anti-Glare Coating, Multi-language support, On screen display (OSD), Kensington® Security Slot	Anti-Glare Coating, Multi-language support, On screen display (OSD), Kensington® Security Slot	Anti-Glare Coating, Multi-language support, On screen display (OSD), Kensington® Security Slot	RapidVideo™ Accelerator for full-motion video, Swivel desk stand, 90° Swivel, Anti-Glare Coating, Multi-language support, OSD, Kensington® Security Slot, USB 2+1 hub	Anti-Glare Coating, Multi-language support, On screen display (OSD), Kensington® Security Slot
Tilt Range	-5 to +25°	-5 to +90°	-3 to +25°	-5 to +90°	-5° to +45°	-5 to +90°
Display Active Area (WxH)	11.97" x 8.98"	11.97" x 8.98"	13.30" x 10.64"	13.30" x 10.64"	14.81" x 11.85"	14.81" x 11.85"
Native Resolution	1024 x 768	1024 x 768	1280 x 1024	1280 x 1024	1280 x 1024	1280 x 1024
Dimensions (w/stand) (WxHxD)	15.9" x 15.3" x 7.5" (403.9 mm x 388.6 mm x 190.5 mm)	14.3" x 12.6" x 8.1" (364.0 mm x 320.4 mm x 205.4 mm)	16.3" x 16.1" x 8.3" (414 mm x 408.9 mm x 210.8 mm)	15.8" x 14.6" x 8.9" (400.0 mm x 370.7 mm x 225.0 mm)	17.4" x 17.2" x 9" (442 mm x 436.9 mm x 228.6 mm)	17.2" x 16.0" x 10.5" (438.0 mm x 405.5 mm x 266.2 mm)
Dimensions (w/o stand) (WxHxD)	15.9" x 12.3" x 2.2" (403.9 mm x 312.4 mm x 55.9 mm)	14.3" x 11.6" x 2.4" (364.0 mm x 295.0 mm x 61.5 mm)	16.3" x 14.1" x 2.5" (414 mm x 358.1 mm x 63.5 mm)	15.8" x 13.3" x 2.7" (400.0 mm x 338.0 mm x 225.0 mm)	17.4" x 15" x 2.7" (442 mm x 381 mm x 68.6 mm)	17.2" x 14.6" x 2.7" (438.0 mm x 370.0 mm x 67.9 mm)
Weight (w/stand)	11.4 lbs. (5.2 kg) (net) 16.4 lbs. (7.4 kg) (shipping)	13.0 lbs. (5.9 kg) (net) 17.4 lbs. (7.9 kg) (shipping)	14.7 lbs. (6.7 kg) (net) 20.2 lbs. (9.2 kg) (shipping)	17.2 lbs. (7.8 kg) (net) 22.5 lbs. (10.2 kg) (shipping)	21 lbs. (9.5 kg) (net) 28.6 lbs. (13 kg) (shipping)	19.6 lbs. (8.9 kg) (net) 25.8 lbs. (11.73 kg) (shipping)
Weight (w/o stand)	8.9 lbs. (4 kg)	9.5 lbs. (4.3 kg)	11.9 lbs. (5.4 kg)	13.6 lbs. (5.9 kg)	14.7 lbs. (6.7 kg)	14.1 lbs. (6.4 kg)
Approvals	UL/cUL, FCC-B, CE-B, TUV, RoHS	UL/cUL, FCC-B, TUV-T, CE, CB, RoHS	UL/cUL, FCC-B, CE-B, TUV, RoHS	UL/cUL, FCC-B, TUV-T, CE, CB, RoHS	UL/cUL, FCC-B, CE-B, TUV, RoHS	UL/cUL, FCC-B, TUV-T, CE, CB, RoHS
Customer First™ Warranty	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement
VESA Compatible/Location	Built-in 75 mm VESA, back	Built-in 75 mm VESA, back	Built-in 100 mm VESA, back	Built-in 75/100 mm VESA, back	100 mm VESA, back	Built-in 75/100 mm VESA, back
Planar® Versatility™ Mount	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.

*Specified at CR≥5:1. All other LCDs specified at CR≥10:1.

AMLCD Open-Frame Monitors - Touch



SPECIFICATIONS	LA 1500RTR - 15" Resistive	LA1710RTR - 17" Resistive
Planar Part Number	LA1500RTR 997-3468-00LF	LA1710RTR 997-2972-00LF
Touch Screen Type	5-wire Resistive touch screen	5-wire Resistive touch screen
Touch Screen Interface	Dual Serial/USB	USB
Brightness (w/touch screen)	195 cd/m2	255 cd/m2
Brightness (w/o touch screen)	250 cd/m2	300 cd/m2
Contrast Ratio (typical)	400:1	800:1
Response Time (typical)	16 ms (4 ms rise, 12 ms fall)	5 ms (3.5 ms rise, 1.5 ms fall)
Horizontal Scan	31.5 - 60 KHz	31.5 - 80 KHz
Viewing Angle (typical)	120° H, 100° V (+40/-60)*	160° H, V
Pixel Pitch	0.297 mm	0.264 mm
Refresh Rate	56-75 Hz	56-75 Hz
Input Options	Analog	Analog, DVI-D
Power Supply	External Module with IEC 320 Connector, USA, Cord-set, UL1950 certified.	External Module with IEC 320 Connector, USA, Cord-set, UL1950 certified.
Power Requirements	100-240 VAC, 50/60 Hz	100-240 VAC, 50/60 Hz
Power Consumption (operational)	30W (3W standby)	40W (3W standby)
External Connections	D-sub, 15-pin Type B socket USB D-sub 9-pin RS232	D-sub, 15-pin, DVI-D Type B socket USB
Features	Anti-glare coating Multi-language support On screen display (OSD)	Anti-glare coating Multi-language support On screen display (OSD)
Display Active Area	15" diagonal, 304 mm x 228 mm	17" diagonal, 338 mm x 270 mm
Native Resolution	XGA (1024 x 768) native. Supports IBM VGA; VESA VGA, SVGA, XGA	SXGA (1280 x 1024) native. Supports IBM VGA; VESA VGA, SVGA, XGA, SXGA
Dimensions (WxHxD)	14.2" x 10.6" x 1.9" (360 mm x 270 mm x 47 mm)	14.6" x 11.8" x 1.8" (371 mm x 299 mm x 46 mm)
Weigh (display and brackets)	9.2 lbs (4.2 kg)	11.2 lbs (5.1 kg)
Approvals	FCC-B, CE, TUV, RoHS	FCC-B, CE, TUV, RoHS
Operating Temperature	0° to 40° C	0° to 40° C
Service and Support/ Warranty	1-Year	1-Year
Extended Warranty Package	990-0068-00	990-0068-00
Mounting Options	Adjustable rear panel mounting brackets included. VESA 75 mm compatible.	Adjustable rear panel mounting brackets included. VESA 75 mm compatible.

SPECIFICATIONS	LA1500RTC - 15" Capacitive	LA1710RTC - 17" Capacitive	LA1910RTC - 19" Capacitive
Planar Part Number	LA1500RTC 997-2930-00LF	LA1710RTC 997-2931-00LF	LA1910RTC 997-2811-00LF
Touch Screen Type	3M® Capacitive touch screen	3M® Capacitive touch screen	3M® Capacitive touch screen
Touch Screen Interface	USB	USB	USB
Brightness (w/touch screen)	308 cd/m2	264 cd/m2	275 cd/m2
Brightness (w/o touch screen)	350 cd/m2	260 cd/m2	300 cd/m2
Contrast Ratio (typical)	400:1	800:1	1000:1
Response Time (typical)	16 ms (4 ms rise, 12 ms fall)	5 ms (3.5 ms rise, 1.5 ms fall)	5 ms (1.3 ms rise, 3.7 ms fall)
Horizontal Scan	31.5 - 60 KHz	31.5 - 80 KHz	31.5 - 80 KHz
Viewing Angle (typical)	150° H, 125° V (+50/-75)*	160° H, V	170° H, V
Pixel Pitch	0.297 mm	0.264 mm	0.294 mm
Refresh Rate	56-75 Hz	56-75 Hz	56-75 Hz
Input Options	Analog	Analog, DVI-D	Analog, DVI-D
Power Supply	External Module with IEC 320 Connector, USA, Cord-set, UL1950 certified.	External Module with IEC 320 Connector, USA, Cord-set, UL1950 certified.	External Module with IEC 320 Connector, USA, Cord-set, UL1950 certified.
Power Requirements	100-240 VAC, 50/60 Hz	100-240 VAC, 50/60 Hz	100-240 VAC, 50/60 Hz
Power Consumption (operational)	30W (3W standby)	40W (3W standby)	60W (5W standby)
External Connections	D-sub, 15-pin Type B socket USB	D-sub, 15-pin, DVI-D Type B socket USB	D-sub, 15-pin, DVI-D USB (touch screen option)
Features	Anti-glare coating Multi-language support On screen display (OSD)	Anti-glare coating Multi-language support On screen display (OSD)	Anti-glare coating Multi-language support On screen display (OSD)
Display Active Area	15" diagonal, 304 mm x 228 mm	17" diagonal, 338 mm x 270 mm	19" diagonal, 376 mm x 301 mm
Native Resolution	XGA (1024 x 768) native. Supports IBM VGA; VESA VGA, SVGA, XGA	SXGA (1280 x 1024) native. Supports IBM VGA; VESA VGA, SVGA, XGA, SXGA	SXGA (1280 x 1024) native. Supports IBM VGA; VESA VGA, SVGA, XGA, SXGA
Dimensions (WxHxD)	14.2" x 10.6" x 1.9" (360 mm x 270 mm x 47 mm)	14.6" x 11.8" x 1.8" (371 mm x 299 mm x 46 mm)	17.2" x 14.3" x 3.2" (436 mm x 363 mm x 81 mm)
Weigh (display and brackets)	9.4 lbs (4.3 kg)	11.4 lbs (5.2 kg)	15.2 lbs (6.9 kg)
Approvals	FCC-B, CE, TUV, RoHS	FCC-B, CE, TUV, RoHS	FCC-B, CE, TUV
Operating Temperature	0° to 40° C	0° to 40° C	0° to 40° C
Service and Support/ Warranty	1-Year	1-Year	1-Year
Extended Warranty Package	990-0068-00	990-0068-00	990-0068-00
Mounting Options	Adjustable rear panel mounting brackets included. VESA 75 mm compatible.	Adjustable rear panel mounting brackets included. VESA 75 mm compatible.	Adjustable rear panel mounting brackets included. VESA 75 mm compatible.

SPECIFICATIONS	LB1500RTC - 15" Capacitive
Planar Part Number	LB1500RTC 997-3275-00LF
Touch Screen Type	3M® Capacitive touch screen
Touch Screen Interface	USB
Brightness (w/touch screen)	503 cd/m2
Brightness (w/o touch screen)	550 cd/m2
Contrast Ratio (typical)	500:1
Response Time (typical)	12 ms
Horizontal Scan	31.5 - 60 KHz
Viewing Angle (typical)	140° H, 120° V
Pixel Pitch	0.297 mm
Refresh Rate	56-75 Hz
Input Options	Analog
Power Supply	External Module UL, CuL 1950 certified.
Power Requirements	100-240 VAC, 50/60 Hz
Power Consumption (operational)	40W (1W standby)
External Connections	D-sub, 15-pin
Features	Anti-glare coating Multi-language support On screen display (OSD)
Display Active Area	15" diagonal, 304 mm x 228 mm
Native Resolution	XGA (1024 x 768) native. Supports IBM VGA; VESA VGA, SVGA and XGA
Dimensions (WxHxD)	14.2" x 10.6" x 2.0" (360 mm x 270 mm x 51.3 mm)
Weigh (display and brackets)	8.7 lbs (3.9 kg)
Approvals	UL, FCC-B, CE-B, TUV, RoHS
Operating Temperature	0° to 40° C
Service and Support/ Warranty	1-Year
Extended Warranty Package	990-0068-00
Mounting Options	Adjustable rear panel mounting brackets included. VESA 75 mm compatible.

*Specified at CR2S:1. All other LCDs specified at CR2:10:1.

AMLCD Open-Frame Monitors - Non-Touch



SPECIFICATIONS	LA1500R - 15"	LA1710R - 17"	LA1910R - 19"
Planar Part Number	LA1500R 997-3467-00LF	LA1710R 997-2808-00LF	LA1910R 997-2810-00LF
Contrast Ratio (typical)	600:1	800:1	1000:1
Response Time (typical)	8 ms	5 ms (3.5 ms rise, 1.5 ms fall)	5 ms (1.3 ms rise, 3.7 ms fall)
Horizontal Scan	31.5 - 60 KHz	31.5 - 80 KHz	31.5 - 80 KHz
Viewing Angle (typical)	160° H, V	160° H, V	160° H, V
Brightness	250 cd/m2	300 cd/m2	300 cd/m2
Pixel Pitch	.297 mm	0.264 mm	0.294 mm
Refresh Rate	56-75 Hz	56-75 Hz	56-75 Hz
Input Options	Analog	Analog/DVI-D	Analog/DVI-D
Power Supply	External Module with IEC 320 Connector, USA, Cord-set UL1950 certified.	External Module with IEC 320 Connector, USA, Cord-set UL1950 certified.	External Module with IEC 320 Connector, USA, Cord-set UL1950 certified.
Power Requirements	100-240 VAC, 50/60 Hz	100-240 VAC, 50/60 Hz	100-240 VAC, 50/60 Hz
Power Consumption (operational)	30W (3W standby)	40W (3W standby)	60W (5W standby)
External Connections	D-sub, 15-pin	D-sub, 15-pin, DVI-D	D-sub, 15-pin, DVI-D
Features	Anti-glare coating Multi-language support On screen display (OSD)	Anti-glare coating Multi-language support On screen display (OSD)	Anti-glare coating Multi-language support On screen display (OSD)
Display Active Area	15" diagonal, 304 mm x 228 mm	17" diagonal, 338 mm x 270 mm	19" diagonal, 376 mm x 301 mm
Native Resolution	XGA (1024 x 768) native. Supports IBM VGA; VESA VGA, SVGA, XGA; and Apple® Mac modes	SXGA (1280 x 1024) native. Supports IBM VGA; VESA VGA, SVGA, XGA, SXGA; and Apple® Mac modes	SXGA (1280 x 1024) native. Supports IBM VGA; VESA VGA, SVGA, XGA, SXGA; and Apple® Mac modes
Dimensions (WxHxD)	14.2" x 10.6" x 1.9" (360 mm x 270 mm x 47 mm)	14.6" x 11.8" x 1.8" (371 mm x 299 mm x 46 mm)	17.2" x 14.3" x 3.2" (436 mm x 363 mm x 81 mm)
Weight (display and brackets)	7.9 lbs (3.6 kg)	10.1 lbs (4.6 kg)	12.5 lbs (5.7 kg)
Approvals	FCC-B, CE, TUV, RoHS	FCC-B, CE, TUV, RoHS	FCC-B, CE, TUV, RoHS
Operating Temperature	0° to 40° C	0° to 40° C	0° to 40° C
Service and Support/Warranty	1-Year	1-Year	1-Year
Extended Warranty Package	990-0068-00	990-0068-00	990-0068-00
Mounting Options	Adjustable rear panel mounting brackets included. VESA 75 mm compatible.	Adjustable rear panel mounting brackets included. VESA 75 mm compatible.	Adjustable rear panel mounting brackets included. VESA 75 mm compatible.

SPECIFICATIONS	LB1500R - 15"	LB1503R - 15"
Planar Part Number	LB1500R 997-3006-00LF	LB1503R 997-3156-00LF
Contrast Ratio (typical)	500:1	500:1
Response Time (typical)	12 ms	12 ms
Horizontal Scan	31.5 - 60 KHz	31.5 - 60 KHz
Viewing Angle (typical)	140° H, 120° V	140° H, 120° V
Brightness	550 cd/m2	550 cd/m2
Pixel Pitch	.297 mm	.297 mm
Refresh Rate	56-75 Hz	56-75 Hz
Input Options	Analog	Analog/DVI-D/Composite NTSC, PAL
Power Supply	External Module UL Cul. 1950 certified.	External Module with IEC 320 Connector, USA, Cord-set UL1950 certified.
Power Requirements	100-240 VAC, 50/60 Hz	100-240 VAC, 50/60 Hz
Power Consumption (operational)	40W (1W standby)	60W (3W standby)
External Connections	D-sub, 15-pin	D-sub, 15-pin
Features	Anti-glare coating Multi-language support On screen display (OSD)	Anti-glare coating Multi-language support On screen display (OSD)
Display Active Area	15" diagonal, 304 mm x 228 mm	15" diagonal, 304 mm x 228 mm
Native Resolution	XGA (1024 x 768) native. Supports IBM VGA; VESA VGA, SVGA and XGA	XGA (1024 x 768) native. Supports IBM VGA; VESA VGA, SVGA and XGA
Dimensions (WxHxD)	14.2" x 10.6" x 2.0" (360 mm x 270 mm x 51.3 mm)	14.2" x 10.6" x 1.6" (360 mm x 270 mm x 41.5 mm)
Weight (display and brackets)	8.7 lbs (3.9 kg)	6.7 lbs (3.0 kg)
Approvals	UL, FCC-B, CE-B, TUV, RoHS	UL, FCC-B, CE-B, TUV, RoHS
Operating Temperature	0° to 40° C	0° to 40° C
Service and Support/Warranty	1-Year	1-Year
Extended Warranty Package	990-0068-00	990-0068-00
Mounting Options	Adjustable rear panel mounting brackets included. VESA 75 mm compatible.	VESA 75 mm compatible.

*Specified at CR₂:5:1. All other LCDs specified at CR₂:10:1.

Projectors - Meeting Room



SPECIFICATIONS	PR2010	PR2020	PR3010 / PR3020	PR5020 / PR5022	PR5030
Planar Part Number	PR2010 997-4275-00	PR2020 997-4273-00	PR3010 997-3276-00 PR3020 997-3277-00	PR5020 997-3278-00 PR5022 997-4277-00	PR5030 997-4271-00
Display Technology	Single Chip DLP® with BrilliantColor™	Single Chip DLP® with BrilliantColor™	Single Chip DLP® by Texas Instruments®	Single Chip DLP® by Texas Instruments®	Single Chip DLP® by Texas Instruments®
Native Resolution	SVGA 800 x 600	XGA 1024 x 768	SVGA 800 x 600 (PR3010), XGA 1024 x 768 (PR3020)	XGA 1024 x 768	WXGA 1280 x 800
Resolution (Max.)	UXGA+ 1600 x 1200	UXGA+ 1600 x 1200	SXGA+ 1400 x 1050	SXGA+ 1400 x 1050	UXGA 1600 x 1200
Brightness (Max. Lumens)	2300 ANSI Lumens	2300 ANSI Lumens	2500 ANSI Lumens	3000 ANSI Lumens/3500 ANSI Lumens	3000 ANSI Lumens
Weight	5.7 lbs./2.59 kg (net), 8.8 lbs./4 kg (shipping)	5.7 lbs./2.59 kg (net), 8.8 lbs./4 kg (shipping)	7.8 lbs./3.538 kg (net), 17 lbs. (shipping)	7.8 lbs./3.538 kg (net), 17 lbs. (shipping)	7.8 lbs./3.538 kg (net), 17 lbs. (shipping)
Contrast Ratio	1700:1	1700:1	2000:1	2200:1	2000:1
Color Reproduction	24 bit, 16.7 million True Color	24 bit, 16.7 million True Color	24 bit, 16.7 million True Color	24 bit, 16.7 million True Color	24 bit, 16.7 million True Color
Color Wheel	5-Segment Color Wheel RYGWB	5-Segment Color Wheel RYGWB	5-Segment Color Wheel RYGWB	5-Segment Color Wheel RYGWB	5-Segment Color Wheel RYGWB
Projection Method	Front/Rear, Desktop/Ceiling	Front/Rear, Desktop/Ceiling	Front/Rear, Desktop/Ceiling	Front/Rear, Desktop/Ceiling	Front/Rear, Desktop/Ceiling
Projection Image/Screen Size (Diagonal)	36" - 246"	36" - 246"	22.57" - 260"	23.4" - 273.4" (PR5020), 23.4" - 300" (PR5022)	23.4" - 273.4" (PR5020), 23.4" - 300" (PR5022)
Throw Ratio (D/W)	2.0	2.0	1.89-2.18	1.8-2.1	1.51-1.74
Optical Offset	128%	128%	130%	124%	124%
Digital Keystone Correction	+/- 15° (Vertical Only)	+/- 15° (Vertical Only)	+/- 15°	+/- 15°	+/- 15° (vertical only)
Minimum Projection Distance	~1.5m	~1.5m	~1m	~1m	~1.5m
Lamp Type	180W	180W	200W	200W (PR5020), 230W - 260W (PR5022)	230W
Lamp Life (up to)	3000 hrs standard, 4000 hrs eco	3000 hrs standard, 4000 hrs eco	2000 hrs boost, 3000 hrs standard, 4000 hrs eco	2000 hrs boost, 3000 hrs standard, 4000 hrs eco (PR5020) 2000 hrs standard, 3000 hrs eco (PR5022)	2000 hrs boost, 2000 hrs standard, 4000 hrs eco
Projection Lens	Fix Lens, 2m @ 50°	Fix Lens, 2m @ 50°	All glass zoom lens w/manual focus	All glass zoom lens w/manual focus	Wide zoom lens w/manual focus
Zoom Ratio	n/a	n/a	1.15:1	1.15:1	1.15:1
Aspect Ratio	4:3 (native); 16:9	4:3 (native); 16:9	4:3 (native); 16:9	4:3 (native); 16:9	16:10 (native); 4:3
Supported Video Standards	SDTV, EDTV, NTSC/NTSC 4.43, PAL, SECAM	SDTV, EDTV, NTSC/NTSC 4.43, PAL, SECAM	NTSC/NTSC 4.43, PAL B/G/H/I/M/N 60, SECAM	NTSC/NTSC 4.43, PAL B/G/H/I/M/N 60, SECAM	NTSC/NTSC 4.43, PAL B/G/H/I/M/N 60, SECAM
SD/HD Video Signal Compatibility	SDTV (480i, 576i), EDTV (480p, 576p), HDTV (720p, 1080i)	SDTV (480i, 576i), EDTV (480p, 576p), HDTV (720p, 1080i)	SDTV (480i, 576i), EDTV (480p, 576p), HDTV (720p, 1080i)	SDTV (480i, 576i), EDTV (480p, 576p), HDTV (720p, 1080i)	SDTV (480i, 576i), EDTV (480p, 576p), HDTV (720p, 1080i)
Computer Compatibility	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, Macintosh	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, Macintosh	VGA, SVGA, XGA, SXGA, SXGA+, Macintosh	VGA, SVGA, XGA, SXGA, SXGA+, Macintosh	VGA, SVGA, XGA, SXGA, SXGA+, WXGA, UXGA, Macintosh
Input Sources	Analog, Composite Video (RCA x 1, VGA to Component thru HD-15 RGB), S-Video, USB (B), Kensington Slot	Analog, Composite Video (RCA x 1, VGA to Component thru HD-15 RGB), S-Video, USB (B), Kensington Slot	Analog, Video (S-Video and Composite RCA) Audio (Stereo, mini-jack and 2 RCA), USB (A to B)	DVI-D, Analog, Video (S-Video and Composite RCA) Audio (Stereo, mini-jack and 2 RCA), USB (A to B) RS-232 (9 pin D-sub male)	DVI-H, Analog (VESA), Video (S-Video 4 pin mini DIN and Composite RCA), Audio (Stereo, mini-jack and 2 RCA), USB (A to B) RS-232 (9 pin D-sub male)
Output Terminals	-	-	Monitor Analog, Audio (stereo, mini-jack)	Monitor Analog, Audio (stereo, mini-jack)	Monitor Analog (VESA), Audio (stereo, mini-jack)
Built-in Audio	1W TrueMedia™	1W TrueMedia™	5W TrueMedia™ SPL (Sound Pressure Level) Speaker	5W TrueMedia™ SPL (Sound Pressure Level) Speaker	5W TrueMedia™ SPL (Sound Pressure Level) Speaker
External Control	IR Remote, Projector Keypad	IR Remote, Projector Keypad	IR Remote, Projector Keypad	IR Remote, Projector Keypad, RS-232	IR Remote, Projector Keypad, RS-232
Input Current	AC 100-240V, 50/60 Hz	AC 100-240V, 50/60 Hz	AC 100-240V, 50/60 Hz	AC 100-240V, 50/60 Hz	AC 100-240V, 50/60 Hz
Power Consumption (Max. Standby)	264W (<5W)	264W (<5W)	290W (boost) 230W (eco) (<5W built-in power supply)	290W (boost) (PR5020), 330W (standard) (PR5022) 230W (eco) (<5W built-in power supply)	290W (standard), 230W (eco) (<5W built-in power supply)
Dimensions (W x H x D)	11.02" x 8.19" x 3.46" (280 x 208 x 88 mm)	11.02" x 8.19" x 3.46" (280 x 208 x 88 mm)	11.8" x 9.6" x 3.46" (300 x 244 x 88 mm)	11.8" x 9.6" x 3.46" (300 x 244 x 88 mm)	11.8" x 9.6" x 3.46" (300 x 244 x 88 mm)
Approvals	FCC-B, UL, cUL, CE, WEEE, RoHS, C-Tick	FCC-B, UL, cUL, CE, WEEE, RoHS, C-Tick	FCC-B, UL, cUL, TUV, CB, CE, CCC, ICES-003, WEEE, RoHS	FCC-B, UL, cUL, CB, CE, CCC, ICES-003, WEEE, RoHS	FCC-B, UL, cUL, CB, CE, CCC, ICES-003, WEEE, RoHS, PSB, PCT, C-Tick
Audible Noise Level	30dba (eco), 32dba (normal)	30dba (eco), 32dba (normal)	31dba (eco)	31dba (eco) (PR5020), 33dba (eco) (PR5022)	29dba (eco)
Operating Temperature	5°C to 35°C At Sea Level	5°C to 35°C At Sea Level	5°C to 35°C At Sea Level	5°C to 35°C At Sea Level (PR5020) 5°C to 40°C At Sea Level (PR5022)	5°C to 35°C At Sea Level (PR5020)
Customer First™ Warranty Product	3-Year Customer First™ Warranty featuring 2-Day Advance Replacement 180 days	3-Year Customer First™ Warranty featuring 2-Day Advance Replacement 180 days	3-Year Customer First™ Warranty featuring 2-Day Advance Replacement 180 days	3-Year Customer First™ Warranty featuring 2-Day Advance Replacement 180 days	3-Year Customer First™ Warranty featuring 2-Day Advance Replacement 180 days
Lamp					
Accessories					
1 Year Projector Warranty Upgrade (1 year extension)	990-0249-00	990-0249-00	990-0249-00	990-0249-00	990-0249-00
1 Year Lamp Warranty Upgrade (total warranty 18 months)	990-0253-00	990-0253-00	990-0253-00	990-0253-00	990-0253-00
Replacement Lamp	997-3346-00	997-3346-00	997-3346-00	997-4286-00	997-5247-00
Replacement Remote	997-3344-00	997-3344-00	997-3344-00	997-3344-00	997-3344-00
Replacement Carry Case	997-3348-00	997-3348-00	997-3348-00	997-3348-00	997-3348-00
Universal Ceiling Mount	997-3416-00	997-3416-00	997-3416-00	997-3416-00	997-3416-00
In The Box	AC Power Cord x 1 (US 1.8 M), VGA to VGA computer cable, (1.8 M), Lens Cap, Remote Control, User's Manual (CD-Rom).	AC Power Cord x 1 (US 1.8 M), VGA to VGA computer cable, (1.8 M), Lens Cap, Remote Control, User's Manual (CD-Rom).	Deluxe carrying case, full featured remote control with laser pointer, remote batteries, 3m regional power cord, 2m computer cable, 2m AV cable (3 RCA to 3 RCA), 2m mini stereo cable, 2m USB (A to B), lens cap, User's Manual on CD-ROM, printed User's Guide.	Deluxe carrying case, full featured remote control with laser pointer, remote batteries, 3m regional power cord, 2m computer cable, 2m AV cable (3 RCA to 3 RCA), 2m mini stereo cable, 2m USB (A to B), lens cap, User's Manual on CD-ROM, printed User's Guide.	Deluxe carrying case, full featured remote control with laser pointer, remote batteries, 3m regional power cord, 2m analog computer cable (HD15 VESA to HD15 VESA), 2m AV cable (3 RCA to 3 RCA), 2m mini stereo cable, 2m USB (A to B), lens cap, User's Manual on CD-ROM, printed User's Guide.

Projectors - Ultra Portable and Auditorium



Ultra Portable



Auditorium



Why PLANAR Projectors?

Experience eye-popping color, enhanced connectivity and features designed to maximize the impact of every presentation, lecture and meeting.

You can relax - IT'S PLANAR.

Our projectors are backed by Planar's industry-leading Customer First™ Warranty so you can concentrate on your next big idea.



SPECIFICATIONS	PR6022	
Planar Part Number	PR6022	997-3279-00
Display Technology	Single Chip DLP® by Texas Instruments®	
Native Resolution	XGA 1024 x 768	
Resolution (Max.)	UXGA	
Brightness (Max. Lumens)	2500 ANSI Lumens	
Weight	3.2 lbs. (1.45 kgs.)	
Contrast Ratio	2000:1	
Color Reproduction	24 bit, 16.7 million True Color	
Color Wheel	5-Segment, RGWBY	
Projection Method	Front/Rear	
Projection Image/Screen Size (Diagonal)	34" - 260"	
Throw Ratio (D/W)	1.9~2.2	
Optical Offset	128%	
Digital Keystone Correction	+/- 15°	
Minimum Projection Distance	~1.5m	
Lamp Type	200W	
Lamp Life (up to)	2000 hrs (standard), 3000 hrs (eco)	
Projection Lens	All glass zoom lens w/manual focus	
Zoom Ratio	1:1.15	
Aspect Ratio	4:3 (native); 16:9	
Supported Video Standards	NTSC/NTSC 4.43, PAL B/G/H/I/M/N 60, SECAM	
SD/HD Video Signal Compatibility	RGB HD-15: SDTV (480i, 576i), EDTV (480p, 576p) HDTV (720p, 1080i)	
Computer Compatibility	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, Macintosh	
Input Sources	Analog, Video (S-Video and Composite RCA), USB (A to B)	
Output Terminals	-	
Built-in Audio	1W Speaker	
External Control	IR Remote, Projector Keypad	
Input Current	AC 110-260 V	
Power Consumption (Max. Standby)	260W (<5W)	
Dimensions (W x H x D)	8.66" x 7.07" x 2.79"	
Approvals	ETL, cETL, FCC-B, TUV-GS, CB, CE Class B, WEEE, RoHS	
Audible Noise Level	34dbA (eco)	
Operating Temperature	5°C to 35°C At Sea Level	
Customer First™ Warranty Product	3-Year Customer First™ Warranty featuring 2-Day Advance Replacement 180 days	
Lamp		
Accessories		
1 Year Projector Warranty Upgrade (1 year extension)	990-0249-00	
1 Year Lamp Warranty Upgrade (total warranty 18 months)	990-0253-00	
Replacement Lamp	997-3345-00	
Replacement Remote	997-3343-00	
Replacement Carry Case	997-3347-00	
Universal Ceiling Mount	n/a	
In The Box	Deluxe carrying case, remote control, 1.8m regional power cord, computer VGA cable 1.8m, lens cap, user's manual in CD, and quick start guide.	

	PR9020	PR9030
PR9020	997-5216-00	997-5217-00
3LCD Technology	3LCD Technology	3LCD Technology
XGA 1024 x 768	WXGA 1280 x 800	WXGA 1280 x 800
UXGA 1600 x 1200	UXGA 1600 x 1200	UXGA 1600 x 1200
4000 ANSI Lumens	4000 ANSI Lumens	4000 ANSI Lumens
15.8 lbs./7.199kg (net), 11.6 lbs. (shipping)	15.8 lbs./7.199kg (net), 11.6 lbs. (shipping)	15.8 lbs./7.199kg (net), 11.6 lbs. (shipping)
1000:1	1000:1	1000:1
16.7 million colors	16.7 million colors	16.7 million colors
-	-	-
Front, Desktop/Ceiling	Front, Desktop/Ceiling	Front, Desktop/Ceiling
30"~350" (60" at 1.8m, wide)	30"~350" (60" at 1.8m, wide)	30"~350" (60" at 1.8m, wide)
1.5~1.8:1	1.5~1.8:1	1.5~1.8:1
115%	115%	115%
+/- 40° V, +/- 20° H	+/- 40° V, +/- 20° H	+/- 40° V, +/- 20° H
35"	35"	35"
200W	200W	200W
2000 hrs (normal), 3000 hrs (whisper)	2000 hrs (normal), 3000 hrs (whisper)	2000 hrs (normal), 3000 hrs (whisper)
All glass manual zoom lens w/manual focus	All glass manual zoom lens w/manual focus	All glass manual zoom lens w/manual focus
1.2	1.2	1.2
4:3 (native); 16:9	4:3 (native); 16:9	4:3 (native); 16:9
NTSC/NTSC 4.43, PAL M/N, SECAM	NTSC/NTSC 4.43, PAL M/N, SECAM	NTSC/NTSC 4.43, PAL M/N, SECAM
Component, HDMI	Component, HDMI	Component, HDMI
IBM, VGA, SVGA, XGA, SXGA, SXGA+ UXGA (compressed, MAC16)	IBM, VGA, SVGA, XGA, SXGA, SXGA+ UXGA (compressed, MAC16)	IBM, VGA, SVGA, XGA, SXGA, SXGA+ UXGA (compressed, MAC16)
Video (S-Video, Composite RCA, Component RCA x 3) RGB (15 pin), RGB (BNC x 5), HDMI, RS-232 (9 pin), Analog Audio (3.5 stereo mini jack x 2), RCA jack x 2 (L/R), USB (B), Wired Remote Control (3.5 stereo mini jack), RJ-45	Video (S-Video, Composite RCA, Component RCA x 3) RGB (15 pin), RGB (BNC x 5), HDMI, RS-232 (9 pin), Analog Audio (3.5 stereo mini jack x 2), RCA jack x 2 (L/R), USB (B), Wired Remote Control (3.5 stereo mini jack), RJ-45	Video (S-Video, Composite RCA, Component RCA x 3) RGB (15 pin), RGB (BNC x 5), HDMI, RS-232 (9 pin), Analog Audio (3.5 stereo mini jack x 2), RCA jack x 2 (L/R), USB (B), Wired Remote Control (3.5 stereo mini jack), RJ-45
RGB (15 pin), 3.5 stereo mini jack	RGB (15 pin), 3.5 stereo mini jack	RGB (15 pin), 3.5 stereo mini jack
4W x 4 Speaker	4W x 4 Speaker	4W x 4 Speaker
IR Remote, Projector Keypad, RS-232	IR Remote, Projector Keypad, RS-232	IR Remote, Projector Keypad, RS-232
100~120V/ 200~240V, 50/60 Hz	100~120V/ 200~240V, 50/60 Hz	100~120V/ 200~240V, 50/60 Hz
460W (15W)	460W (15W)	460W (15W)
16.46" x 12.56" x 5.47" (418 mm x 319 mm x 139 mm)	16.46" x 12.56" x 5.47" (418 mm x 319 mm x 139 mm)	16.46" x 12.56" x 5.47" (418 mm x 319 mm x 139 mm)
UL 60950-1, cUL, FCC-B, CE, WEEE, RoHS, DEMKO-GS	UL 60950-1, cUL, FCC-B, CE, WEEE, RoHS, DEMKO-GS	UL 60950-1, cUL, FCC-B, CE, WEEE, RoHS, DEMKO-GS
30dbA (whisper)	30dbA (whisper)	30dbA (whisper)
5°C to 35°C	5°C to 35°C	5°C to 35°C
3-Year Customer First™ Warranty featuring 2-Day Advance Replacement 180 days	3-Year Customer First™ Warranty featuring 2-Day Advance Replacement 180 days	3-Year Customer First™ Warranty featuring 2-Day Advance Replacement 180 days
990-0249-00	990-0249-00	990-0249-00
990-0253-00	990-0253-00	990-0253-00
997-3345-00	997-3345-00	997-3345-00
997-3343-00	997-3343-00	997-3343-00
997-3347-00	997-3347-00	997-3347-00
n/a	n/a	n/a
Full featured remote control with laser pointer, remote batteries, 3m regional power cord, strap, lens cap, User's Manual on CD-ROM, printed User's Guide	Full featured remote control with laser pointer, remote batteries, 3m regional power cord, strap, lens cap, User's Manual on CD-ROM, printed User's Guide	Full featured remote control with laser pointer, remote batteries, 3m regional power cord, strap, lens cap, User's Manual on CD-ROM, printed User's Guide

Planar Flat Panel Monitors - 15"-17"



SPECIFICATIONS	PL1500-15"	PL1520M-15"
Planar Part Number	● PL1500-BK 997-3264-00 e	● PL1520M-BK 997-3266-00 p
Contrast Ratio (typical)	600:1	600:1
Response Time (typical)	8 ms	8 ms
Viewing Angle	160° H, V	160° H, V
Brightness (typical)	250 cd/m2	250 cd/m2
Pixel Pitch	0.297 mm	0.297 mm
Refresh Rate	55-75 Hz (60 Hz recommended)	55-75 Hz (60 Hz recommended)
Power Consumption	23W (2W standby) 100/240 VAC (50/60 Hz)	25W (2W standby) 100/240 VAC (50/60 Hz)
Input Options	Analog	Analog, Composite Video, S-Video
External Connections	D-sub 15-pin	D-sub 15-pin, Composite Video (RCAx1) S-Video, Audio, Headphones
Audio - Built-in Speakers	No	Yes
Features	<ul style="list-style-type: none"> 🔒 Kensington® Security Slot, Built-in 75 mm VESA on the back of the PL1500 for easy wall, arm or stand mounting, 4:3 aspect ratio, VESA DDC 2B, VESA DPMS 	<ul style="list-style-type: none"> Composite (RCA) Video and S-Video input ideal for security, gaming and video applications, Kensington® Security Slot, 4:3 aspect ratio
USB Hub	No	No
Pivot	No	No
Tilt Range	-5° to +20°	-5 to +20
Power Supply	Internal	Internal
Display Active Area (WxH)	15" Diagonal, 11.97" x 8.98"	15" Diagonal, 11.97" x 8.98"
Native Resolution	1024 x 768 XGA	1024 x 768 XGA
Dimensions (w/stand) (WxHxD)	14.02" x 14.02" x 5.91"	14.25" x 14.07" x 5.67"
Dimensions (w/o stand) (WxHxD)	13.57" x 11.25" x 2.09"	13.57" x 11.25" x 2.09"
Weight	6.6 lbs. (net), 8.8 lbs. (shipping)	6.6 lbs. (net), 8.8 lbs. (shipping)
Weight (w/o stand)	-	-
Approvals	UL, cUL, FCC-B, CE, VESA DDC 2B, VESA DPMS, RoHS	UL, cUL, FCC-B, CE, VESA DDC 2B, VESA DPMS, RoHS
Customer First™ Warranty	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement
VESA Compatible/Location	Built-in 75 mm VESA, back	Built-in 75 mm VESA, back
Planar® Versatility™ Mount	Fixed Wall Mount, Extended Arm Mount, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall Mount, Extended Arm Mount, Dual/Quad Monitor Stands. No adapter required.

SPECIFICATIONS	PL1700 / PL1700M - 17"	PL1711M - 17"	PQ1710M - 17"
Planar Part Number	● PL1700-BK 997-2795-00 e ● PL1700M-BK 997-2796-00 ● PL1700M-WH 997-2850-00	● PL1711M-BK 997-3111-00 v ● PL1711M-WH 997-5509-00	● PQ1710M-BK 997-3186-00 p
Contrast Ratio (typical)	800:1	800:1	800:1
Response Time (typical)	5 ms	5 ms	5 ms
Viewing Angle	160° H, V	160° H, V	160° H, V
Brightness (typical)	300 cd/m2	300 cd/m2	300 cd/m2
Pixel Pitch	.264 mm	.264 mm	.264 mm
Refresh Rate	56-75 Hz (75 Hz recommended)	56-75 Hz (60 Hz recommended)	60-75 Hz
Power Consumption	48W (2W standby) 100/240 VAC (50/60 Hz)	48W (2W standby) 100/240 VAC +/- 10% (50/60 Hz)	40W (5W standby) 100/240 VAC (50/60 Hz)
Input Options	Analog	Analog, Digital (DVI-D)	Analog, Digital (DVI-D)
External Connections	D-sub 15-pin 1/8" audio jack (PL1700M Only)	D-sub 15-pin 24-pin DVI-D, 1/8" audio jack	D-sub 15-pin 24-pin DVI-D, 1/8" audio jack
Audio - Built-in Speakers	Yes, TrueMedia™, 1W/ch (PL1700M Only)	Yes, TrueMedia™, 1W/ch	Yes, TrueMedia™, 2W/ch
Features	<ul style="list-style-type: none"> Multi-Mount Ready™, Kensington® Security Slot, Built-in power supply, 1/8 audio jack (PL 1700M Only) Fast response time for excellent video performance, 4:3 aspect ratio, TrueMedia™ Sound (PL1700M Only) 	<ul style="list-style-type: none"> Resistance-Free QuadStand™ with pivot, swivel and tilt - over 5" of height adjustment, Multi-Mount Ready™, Kensington® Security Slot, 90° Swivel, 4:3 aspect ratio, TrueMedia™ Sound 	<ul style="list-style-type: none"> TAA Compliant, Fast response time for excellent fast action video, 4:3 aspect ratio, TrueMedia™ Sound, 75mm VESA pattern
USB Hub	No	No	No
Pivot	No	Yes	No
Tilt Range	-5° to +20°	-5° to ~+25°	-5° to ~+40°
Power Supply	Internal	Internal	External
Display Active Area (WxH)	17" Diagonal, 13.30" x 10.64"	17" Diagonal, 13.30" x 10.64"	17" Diagonal, 13.30" x 10.64"
Native Resolution	1280 x 1024 SXGA	1280 x 1024 SXGA	1280 x 1024 SXGA
Dimensions (w/stand) (WxHxD)	14.4 x 15.1 x 7.8	14.4" x 16.1" x 8.6" (height adjust to 23.2")	15.5" x 15.4" x 5.9"
Dimensions (w/o stand) (WxHxD)	14.4" x 13" x 2.46" (PL1700) 14.4" x 13.5" x 2.46" (PL1700M)	14.4 x 13.5 x 2.46	15.5 x 13.6 x 2.17
Weight	8.6 lbs. (net), 13 lbs. (shipping)	14.8 lbs. (net), 19.2 lbs. (shipping)	7.72 lbs. (net), 11.24 lbs. (shipping)
Weight (w/o stand)	7.5 lbs.	7.5 lbs.	-
Approvals	UL/cUL, FCC-B, CE, RoHS	UL/cUL, FCC-B, CE, RoHS	UL, FCC-B, CE, CB, RoHS, WEEE
Customer First™ Warranty	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement
VESA Compatible/Location	Built-in 100 mm VESA, back	Built-in 100 mm VESA, back	back
Planar® Versatility™ Mount	Fixed Wall Mount, Extended Arm Mount, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall Mount, Extended Arm Mount, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall Mount, Extended Arm Mount, Dual/Quad Monitor Stands. No adapter required.

Planar Flat Panel Monitors - 19"-21.3"



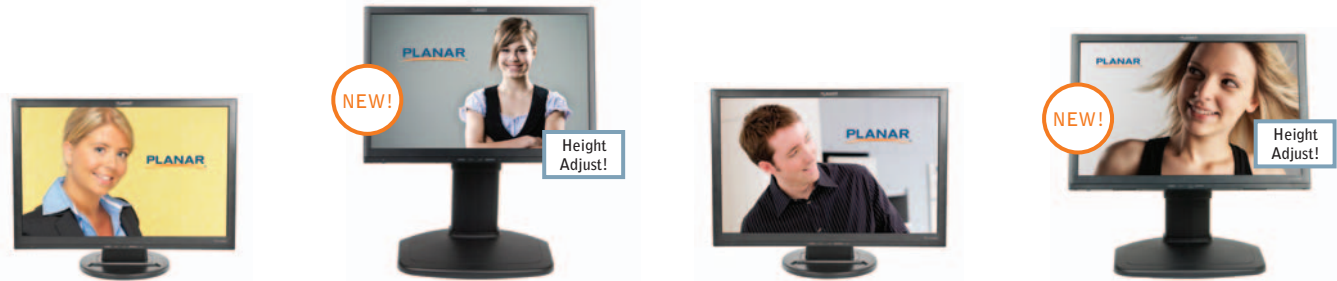
Why PLANAR Flat Panel Monitors?

When you want a sleeker way of looking at things, our Planar flat-panel LCD monitors will delight your eyes. We've put two decades of experience into developing our award-winning displays: the sharpest, fastest graphics; beautiful colors and all that in slim profiles that are nothing less than bevel-edge beautiful.

Check out our wide variety of flat-panel LCD monitors. With this many to choose from, you're sure to find the right one for you.

SPECIFICATIONS	PL1900 - 19"	PL1910M - 19"	PL1911M - 19"	PQ1910M - 19"	PX212M - 21.3"
Planar Part Number	● PL1900 (BK) 997-3095-00 e	● PL1910M 997-2797-00 v ● PL1910M (WH) 997-5510-00	● PL1911M 997-3113-00 p	● PQ1910M 997-3188-00 p	● PX212M 997-2683-00 v RapidVideo™ 8 ms GTG!
Contrast Ratio (typical)	700:1	1000:1	1000:1	800:1	1000:1
Response Time (typical)	5 ms	5 ms	5 ms	5 ms	8 ms
Viewing Angle	150° H, 140° V	160° H, V	150° H, 140° V	160° H, V	178° H, V
Brightness (typical)	300 cd/m2	300 cd/m2	300 cd/m2	300 cd/m2	300 cd/m2
Pixel Pitch	.294 mm	.294 mm	.294 mm	.294 mm	.27 mm
Refresh Rate	47-63 Hz (60 Hz recommended)	50-75 Hz (60 Hz recommended)	56-75 Hz (60 Hz recommended)	60-75 Hz	56-85 Hz (60 Hz recommended)
Power Consumption	37W (2W standby) 100/240 VAC (47/63 Hz)	55W (2W standby) 100/240 VAC +/- 10% (50/60 Hz)	50W (2W standby) 110/220 VAC +/- 10% (50/60 Hz)	45W (<5W standby) 100/240 VAC (50/60 Hz)	60W (4W standby) 110/220 VAC +/- 10% (50/75 Hz)
Input Options	Analog	Analog, Digital (DVI-D)	Analog, Digital (DVI-D)	Analog, Digital (DVI-D)	Analog, Digital (DVI-D)
External Connections	D-sub 15-pin	D-sub 15-pin 24-pin DVI-D, 1/8" audio jack	D-sub 15-pin 24-pin DVI-D, 1/8" audio jack	D-sub-15 pin 24-pin DVI-D, 1/8" audio jack	D-sub 15-pin, 24-pin DVI-D, S-Video, Composite video, 1/8" audio jack
Audio - Built-in Speakers	No	Yes, 1W/ch	Yes, TrueMedia™, 1W/ch	Yes, TrueMedia™, 2W/ch	Yes, 1W/ch in QuadStand™
Features	Fast response time for excellent video performance, Kensington® Security Slot, 4:3 aspect ratio	Kensington® Security Slot, VESA DPMS compliant, DVI-D Digital Input, 4:3 aspect ratio	Resistance-Free QuadStand™ with pivot, swivel and tilt, Multi-Mount Ready™, Kensington® Security Slot, 4:3 aspect ratio, TrueMedia™ Sound	TAA Compliant, DVI-D Digital Input, 4:3 aspect ratio, TrueMedia™ Sound, VESA DPMS power saving Plug and Play VESA DDC1/2B	RapidVideo™ Accelerator for superb full-motion video performance, Resistance-Free QuadStand™, Only 2.5" deep without stand, S-Video & Composite video inputs DVI-D Digital Input, Kensington® Security Slot, 90° Swivel, 4:3 aspect ratio, Speakers conveniently built-in the base
USB Hub	No	No	No	No	No
Pivot	No	No	Yes	No	Yes, PivotPro software included
Tilt Range	-5° to +20°	-5° to +20°	-5° to ~+25°	-5° to +40°	-5° to +20°
Power Supply	External	Internal	Internal	External	External
Display Active Area (WxH)	19" diagonal, 14.82" x 11.85"	19" diagonal, 14.82" x 11.85"	19" diagonal, 14.82" x 11.85"	19" diagonal, 14.82" x 11.85"	21.3" diagonal, 17" x 12.9"
Native Resolution	1280 x 1024 SXGA	1280 x 1024 SXGA	1280 x 1024 SXGA	1280 x 1024 SXGA	1600 x 1200 UXGA
Dimensions (w/stand) (WxHxD)	15.98" x 15.91" x 8.15"	16.2" x 16.46" x 8.7"	16.2" x 17.2" x 8.6" (height adjust to 22.3")	16.93" x 16.54" x 5.9"	19 x 16.5 x 8.75 (height adjust to 20")
Dimensions (w/o stand) (WxHxD)	15.98" x 13.11" x 1.93"	16.2" x 14.8" x 2.52"	16.2" x 14.8" x 2.52"	16.93" x 14.96" x 2.17"	19 x 14.75 x 2.5
Weight	9.04 lbs. (net), 13 lbs. (shipping)	9.9 lbs. (net), 15.2 lbs. (shipping)	17 lbs. (net), 22.3 lbs. (shipping)	14.33 lbs. (net), 16.76 lbs. (shipping)	20.3 lbs. (net), 26.0 lbs. (shipping)
Weight (w/o stand)	8.3 lbs.	8.3 lbs.	8.3 lbs.	-	-
Approvals * Black models TCO '95 certified	UL/cUL, FCC-B, CE, VESA DDC2B™ RoHS	UL/cUL, FCC-B, CE, RoHS	UL/cUL, CE, FCC-B, RoHS	UL/cUL, CE, FCC-B, RoHS, WEEE	UL/cUL, FCC-B, CE, RoHS
Customer First™ Warranty	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement
VESA Compatible/ Location	Built-in 100 mm VESA, back	Built-in 100 mm VESA, back	Built-in 100 mm VESA, back	Built-in 75 mm VESA, back	Built-in 100 mm VESA, back
Planar® Versatility™ Mount	Fixed Wall Mount, Extended Arm Mount, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall Mount, Extended Arm Mount, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall Mount, Extended Arm Mount, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall Mount, Extended Arm Mount, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall Mount, Extended Arm Mount, Dual/Quad Monitor Stands. No adapter required.

Planar Flat Panel Monitors - Widescreen



SPECIFICATIONS	PL1910MW - 19" WIDE	PL1911MW - 19" WIDE	PL2010MW - 20" WIDE	PL2011MW - 20" WIDE
Planar Part Number	● PL1910MW 997-5260-00	● PL1911MW 997-5590-00	● PL2010MW 997-5264-00	● PL2011MW 997-5591-00
Contrast Ratio (typical)	1000:1	1000:1	1000:1	1000:1
Response Time (typical)	5 ms	5 ms	5 ms	5 ms
Viewing Angle	170° H, 160° V	170° H, 160° V	170° H, 160° V*	170° H, 160° V*
Brightness (typical)	300 cd/m2	300 cd/m2	300 cd/m2	300 cd/m2
Pixel Pitch	.243 mm	.243 mm	.258 mm x .258 mm	.258 mm x .258 mm
Refresh Rate	75 Hz	75 Hz	75 Hz	75 Hz
Power Consumption	42W (max) (< 2 standby)	42W (max) (< 2 standby)	48W (< 2 standby)	48W (< 2 standby)
Input Options	Analog (VGA), Digital (DVI-D w/HDCP)	Analog (VGA), Digital (DVI-D w/HDCP)	Analog (VGA), Digital (DVI-D w/HDCP)	Analog (VGA), Digital (DVI-D w/HDCP)
External Connections	D-sub 15-pin, 24-pin DVI-D (w/HDCP) 1/8" audio jack	D-sub 15-pin, 24-pin DVI-D (w/HDCP) 1/8" audio jack	D-sub 15-pin, 24-pin DVI-D (w/HDCP) 1/8" audio jack	D-sub 15-pin, 24-pin DVI-D (w/HDCP) 1/8" audio jack
Audio - Built-in Speakers	Yes, TrueMedia™, 1W/ch	Yes, TrueMedia™, 1W/ch	Yes, TrueMedia™, 1W/ch	Yes, TrueMedia™, 1W/ch
Features	Dual Analog and DVI-D video inputs 1680 x 1050 optimum resolution 100 mm VESA mount Extra wide viewing angle High contrast ratio of 1000:1 Exceptionally fast 5 ms response time	Dual Analog and DVI-D video inputs 1680 x 1050 optimum resolution 100 mm VESA mount Extra wide viewing angle High contrast ratio of 1000:1 Exceptionally fast 5 ms response time QuadStand™ w/tilt and height adjustment	Dual Analog and DVI-D video inputs Excellent 1680 x 1050 WSXGA+ Fast 5 ms response time 100 mm VESA mount	Dual Analog and DVI-D video inputs Excellent 1680 x 1050 WSXGA+ Fast 5 ms response time 100 mm VESA mount QuadStand™ w/tilt and height adjustment
USB Hub	No	No	No	No
Pivot	No	No	No	No
Tilt Range	-5° to +20°	-5° to +20°	-5° to +20°	-5° to +20°
Power Supply	Internal	Internal	Internal	Internal
Display Active Area (WxH)	19" Diagonal, 16.07" x 10.05"	19" Diagonal, 16.07" x 10.05"	20" Diagonal, 17.06" x 10.67"	20" Diagonal, 17.06" x 10.67"
Native Resolution	1680 x 1050 WSXGA+	1680 x 1050 WXGA+	1680 x 1050 WSXGA+	1680 x 1050 WSXGA+
Dimensions (w/stand) (WxHxD)	17.26" x 13.62" x 7.8"	17.26" x 14.33" x 9.02" (height adjust to 19.45" or 494.1mm)	18.58" x 14.45" x 7.8"	18.58" x 14.73" x 9.02" (height adjust to 19.85" or 504.3mm)
Dimensions (w/o stand) (WxHxD)	17.26" x 13.46" x 2.38"	17.26" x 13.46" x 2.38"	18.58" x 14.2" x 2.38"	18.58" x 14.2" x 2.38"
Weight	9.2 lbs. (net), 11.9 lbs. (shipping)	9.2 lbs. (net), 11.9 lbs. (shipping)	9.5 lbs. (net), 12.6 lbs. (shipping)	9.5 lbs. (net), 12.6 lbs. (shipping)
Weight (w/o stand)	8.9 lbs.	8.9 lbs.	9.2 lbs.	9.2 lbs.
Approvals *Black models TCO '95 certified	UL/cUL, CE, FCC-B, RoHS	UL/cUL, CE, FCC-B, RoHS	UL/cUL, CE, TUV, FCC-B, DDC2Bi Plug and Play	UL/cUL, CE, TUV, FCC-B, DDC2Bi Plug and Play
Customer First™ Warranty	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement
VESA Compatible/Location	Built-in 100 mm VESA, back	Built-in 100 mm VESA, back	Built-in 100 mm VESA, back	Built-in 100 mm VESA, back
Planar® Versatility™ Mount	Fixed Wall/Extended Arm Mounts, Dual/ Quad Monitor Stands. No adapter required.	Fixed Wall/Extended Arm Mounts, Dual/ Quad Monitor Stands. No adapter required.	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall/Extended Arm Mounts, Dual/ Quad Monitor Stands. No adapter required.

*Specified at CR≥5:1. All other LCDs specified at CR≥10:1.

Planar Flat Panel Monitors - Widescreen



SPECIFICATIONS	PL2210MW - 22" WIDE	PX2211MW - 22" WIDE	PX2411MW - 24" WIDE	PX2611W - 26" WIDE
Planar Part Number	● PL2210MW 997-5265-00	● PX2211MW 997-5549-00	● PX2411MW 997-5788-00	● PX2611W 997-3497-00
Contrast Ratio (typical)	1000:1	100:1	1000:1	1000:1
Response Time (typical)	5 ms	5 ms	2 ms	5 ms GTG (w/RapidVideo™ Accelerator)
Viewing Angle	170° H, 160° V*	170° H, 160° V	170° H, 160° V	178° H, V
Brightness (typical)	300 cd/m ²	300 cd/m ²	300 cd/m ²	400 cd/m ²
Pixel Pitch	.282 mm x .282 mm	.282 mm	.2715 mm	.2865 mm
Refresh Rate	75 Hz	56-75 Hz (60 Hz recommended)	56-75 Hz	50-76 Hz (60 Hz recommended)
Power Consumption	52W (< 2 standby)	56W (2W standby) 100/240 VAC (50/60 Hz)	43W (2W standby) 100/240 VAC (50/60 Hz)	135W (2W standby) 100/240 VAC (50/60 Hz)
Input Options	Analog (VGA), Digital (DVI-D w/HDCP)	VGA and HDMI. DVI is supported via HDMI-DVI cable (included)	Analog, HDMI, Digital (DVI-D w/HDCP)	Analog (VGA), Digital (DVI-D w/HDCP)
External Connections	D-sub 15-pin, 24-pin DVI-D (w/HDCP) 1/8" audio jack	1 - HDMI 19-pin connector; 1 - VGA D-sub 15-pin video connector; 1 - 1/8" audio input jack, headset jack, USB hub (1up, 2down)	1 - HDMI 19-pin connector, 1 - DVI 24-pin connector; 1 - Analog VGA D-sub 15-pin video display, 1 - 1/8" audio input jack, headset jack	D-sub 15-pin, 24-pin DVI-D (w/HDCP) USB 4+1 hub
Audio - Built-in Speakers	Yes, TrueMedia™, 1W/ch	Yes, TrueMedia™, 1W/ch	Yes, 2 x 2W	No
Features	Integrated TrueMedia™ speakers High 1000:1 contrast ratio Excellent 5 ms response time 100 mm VESA mount	Excellent full-motion video at an incredible 5 ms response time VGA and HDMI. DVI is supported via HDMI-DVI cable (included). Ergonomic base to maximize efficiency	2 ms (gray-to-gray) response time HMDI, Dual Analog (VGA) and Digital input Height adjustable stand with tilt and pivot	RapidVideo™ Accelerator for superb full-motion video at an incredible 5 ms (gray-to-gray) response time, Dual Analog (VGA) and Digital input (w/HDCP), High speed 2.0 USB Hub w/easy access to connect to peripheral, QuadStand™ w/tilt, swivel and height adjustment, 1-Touch Auto Adjust, Anti-Glare Coating Kensington® Security Slot
USB Hub	No	Yes, qty 3 (1up, 2down)	No	Yes, 4+1 USB 2.0
Pivot	No	Yes, (range -35° to +35°)	Yes, 90°	No
Tilt Range	-5° to +20°	-5° to +20°	-5° to +21°	-5° to +40°
Power Supply	Internal	Internal	Internal	Internal
Display Active Area (WxH)	22" diagonal, 18.65" x 11.66"	22" diagonal, 18.65" x 11.66"	20.41" x 12.8"	26" diagonal, 21.66" x 13.54"
Native Resolution	1680 x 1050 WSXGA+	1680 x 1050 WSXGA+	1920 x 1080	1920 x 1200 WUXGA
Dimensions (w/stand) (WxHxD)	19.9" x 15.37" x 8.7"	19.9" x 15.4" x 9.02" (height adjust to 20.53" or 521.45mm)	22.1" x 16.3" x 9.8"	23.39" x 18" x 10.77" (height adjust to 15.78" to 18")
Dimensions (w/o stand) (WxHxD)	19.9" x 15.16" x 2.4"	19.9" x 13.5" x 2.4"	22.1" x 13.2" x 2.7"	23.39" x 15.27" x 3.74"
Weight	11.7 lbs. (net), 15.5 lbs. (shipping)	15.79 lbs. (net)	11.7 lbs. (net), 14.9 lbs. (shipping)	24.7 lbs. (net), 29.5 lbs. (shipping)
Weight (w/o stand)	11 lbs.	9.7 lbs.	10.8 lbs	16.4 lbs.
Approvals *Black models TCO '95 certified	CB, UL/CuL, CE, FCC	CB, UL/cUL, CE, FCC	UL/cUL, CE, FCC-B	UL/cUL, CE, FCC-B, TUV/GS
Customer First™ Warranty	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement	3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement
VESA Compatible/Location	Built-in 100 mm VESA, back	Built-in 100 mm VESA, back	Built-in 100 mm VESA, back	Built-in 100 mm x 200 mm VESA, back
Planar® Versatility™ Mount	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.	Fixed Wall/Extended Arm Mounts, Dual/Quad Monitor Stands. No adapter required.	-

*Specified at CR≥5:1. All other LCDs specified at CR≥10:1.



FINANCIAL INSTITUTIONS

HEALTHCARE

EDUCATION

Do You Sell to These Markets?

Benefits for Each Target Market

Are These Important to Your Customers?

- REDUCED MAINTENANCE COSTS
- INCREASED SECURITY
- CENTRALIZED SOFTWARE MANAGEMENT
- SPACE CONSTRAINTS
- GREEN COMPUTING

Are Your Customers Asking About Any of the Following Technologies?

- DESKTOP VIRTUALIZATION
- VMWARE VDI
- CITRIX APPLICATION DELIVERY
- THIN CLIENT COMPUTING
- THE PERFORMANCE OF THE WYSE® S10 IN A DISPLAY-INTEGRATED DESIGN

ND Network Displays
Powered by Wyse® Thin OS!

HERE'S THE SOLUTION!



FINANCIAL INSTITUTIONS

- Software upgrades and IT maintenance are managed at the server level instead of at the desktop level.
- Reduced risk of damage to sensitive information due to viruses, unauthorized downloads or local software installations.
- Critical information is protected on servers instead of residing on individual desktops.
- Less downtime as compared to PCs leading to reduced total cost of ownership.

HEALTHCARE

- HIPPA compliant since patient data is stored on servers instead of locally on desktops.
- Multiple-site healthcare organizations can serve their customers at any location since information is stored on centrally-managed servers.
- Software upgrades and IT maintenance are managed at the centrally-managed IT department instead of at each facility.

EDUCATION

- Desktop controls and icons can be locked down, eliminating damage due to viruses introduced through CD ROMs or floppy drives.
- Dramatically lower energy consumption as compared to PCs.
- Resource-constrained IT departments can manage software installation and upgrades directly at the centrally located server instead of at each site.
- Budget-constrained schools can install more workstations at a lower cost as compared to PCs.

Integrated Thin Client LCD Monitors



Look Familiar?



Get Integrated.

Benefits of Integrated vs. Separate Components

SPACE-SAVING

- Space- footprint is the same as standard Planar 17" and 19" desktop LCD monitors
- Single power supply and no additional cables

LABOR-FRIENDLY

- Effortlessly mounts to a swing arm or wall
- Ease of installation - No configuration, reduced labor costs

MAINTENANCE AND SUPPORT

- No need to trouble shoot components
- Ability to hot swap for optimum up-time
- 3-Year, 2-Day Advance Replacement Warranty

ENVIRONMENTALLY FRIENDLY

- 50W of power versus 280W for a PC
 - Lower energy bills
 - Decreased IT carbon footprint
- Thin clients last longer
 - Lower use of fossil fuels and water
 - Reduced wastes (i.e. cadmium and mercury)

- Integrated thin client and LCD in one space-saving package!
- 17" or 19" LCD with SXGA resolution and integrated speakers
- Ideal for healthcare, retail/POS, government/education, call centers, financial institutions, large enterprises
- Wyse Thin O/S is 6x the performance of Windows CE running on the NetClient platform
- Backed by Planar's 3-Year Customer First™ Warranty featuring FREE 2-Day Advance Replacement and 90 days of software upgrades!



SPECIFICATIONS	ND1750 - 17"	ND1950 - 19"
Planar Part Number	● ND1750 997-3941-00	● ND1950 997-3942-00
Model	ND1750 - 17 Planar/Wyse® Integrated Thin Client Network Display	ND1750 - 19 Planar/Wyse® Integrated Thin Client Network Display
Display	17" Diagonal, Active Matrix TFT LCD	19" Diagonal, Active Matrix TFT LCD
Resolution	1280 H x 1024 V	1280 H x 1024 V
Brightness LCD (typical)	300 cd/m ²	270 cd/m ²
Contrast Ratio (typical)	700:1	700:1
Response Time (typical)	8 ms	8 ms
Viewing Angle (typical)	150° H, 135° V	150° H, 135° V
Display Active Area (WxH)	13.30" x 10.64"	14.80" x 11.85"
Processor	ARM9 RISC Processor	ARM9 RISC Processor
Operating System	Wyse™ Thin Client O/S	Wyse™ Thin Client O/S
Connections	10/100/1000 Ethernet port, RJ45 USB 2.0 Type A, 4 ports Stereo Microphone 3.5mm Pink Stereo Headphone 3.5mm VoIP Analog Handset port, RJ22 (4P4C)	10/100/1000 Ethernet port, RJ45 USB 2.0 Type A, 4 ports Stereo Microphone 3.5mm Pink Stereo Headphone 3.5mm VoIP Analog Handset port, RJ22 (4P4C)
User Interface	Enhanced USB Keyboard with PS/2 mouse port and Windows keys (104 keys), PS/2 three-button mouse	Enhanced USB Keyboard with PS/2 mouse port and Windows keys (104 keys), PS/2 three-button mouse
User Controls, Indicators	Power button, Yellow/Green Status LED, Volume/Brightness buttons	Power button, Yellow/Green Status LED, Volume/Brightness buttons
Audio Output	TrueMedia™ Sound, 1W/ch	TrueMedia™ Sound, 1W/ch
Dimensions (w/stand) (WxHxD)	14.4" x 15.1" x 7.8"	16.2" x 16.5" x 8.7"
Dimensions (w/o stand) (WxHxD)	14.4" x 13.5" x 2.5"	16.2" x 14.8" x 2.5"
Weight (approx.)	9 lbs. (net), 8 lbs. (w/o stand), 14 lbs. (shipping)	11 lbs. (net), 10 lbs. (w/o stand), 15 lbs. (shipping)
Bezel Color	Black	Black
Power Requirements	External Adapter, 100-240 VAC, 47-64 Hz	External Adapter, 100-240 VAC, 47-64 Hz
Regulatory Compliance	FCC Class B, UL/CSA 60950, RoHS	FCC Class B, UL/CSA 60950, RoHS
Warranty	3-Year Customer First™ Warranty featuring 2-Day Advance Replacement and 90 Days of Software Upgrades. Extended hardware and software warranty packages available.	3-Year Customer First™ Warranty featuring 2-Day Advance Replacement and 90 Days of Software Upgrades. Extended hardware and software warranty packages available.
Mounting Options	Deskstand and Kensington® Security Slot included. Adjustable height deskstand (Optional). Wall and arm mounting kits (Optional).	Deskstand and Kensington® Security Slot included. Adjustable height deskstand (Optional). Wall and arm mounting kits (Optional).

AWARDS and RECOGNITION

PL1700 - Five Inexpensive FPDs Shine Bright

"The image quality of the Planar unit (PL1700) is about average, although text appeared a bit sharper on this unit than on the other units. Planar provides free two-day advance replacement, including shipping both ways, for all three years." - June 2005

PL1910M

"The Planar PL1910M offers the best compromise between video and audio quality." - Var Business

PR5020

"The experience with the 3,000-lumen Planar PR5020 XGA DLP device is eye-popping... These are the best all-purpose projectors I've seen for the money." - PC Magazine, May 2007

PR9030

"From the moment we turned on the projector, it was clear that this device can do it all. In less than a minute, the 4,000-lumens lamp was at full brightness and ready for action. Focusing the large, all-glass lens is simple via the opening on top of the unit where the zoom control is also housed. A hidden compartment directly behind this opening offers access to dials for adjusting the lens left and right, as well as up and down." - CRN, September 2008

PX2611W

"Making a splash is Planar (PLAY-nar) with the very competitive PX2611W - a 26 inch widescreen LCD monitor that is ideal for most PC use including web, photography work as well as gaming... The Planar 26" PX2611W is a great all-purpose widescreen monitor that delivers an incredible image.

It delivers a great value, considering what you are getting, a 26" S-IPS LCD monitor. A three year warranty makes it a more comfortable buy too.

Computers and video equipment are increasingly capable of pushing out great color at high resolutions and this display can handle that in stride. The fact that it is great for PC gaming pushes this display over-the-top and into the 'superb for just about anything' category." - BenchmarkReviews.com



Accessories and Services

Asset Tagging Services

Asset Tagging Services Available. Contact bids@planar.com for a quote. Minimum 500 pieces.

AS2 Black Dual Monitor Stand

Part# 997-5253-00

Planar's dual monitor stand maximizes the benefits of two monitors by making it easier to toggle between applications with the seamless display setup. The stand helps to organize displays cables with a cable organizer, and can tilt, swivel, rotate and height adjust. Installation is quick and easy.



TS744 Quad Monitor Stand

Part# 997-5602-00

Planar's quad monitor stand maximizes the benefits of four monitors by making it easier to toggle between applications with the seamless display setup. The stand helps to organize displays cables with a cable organizer, and can tilt, swivel, rotate and height adjust. Installation is quick and easy.



Wall Mount - Extended Arm

Part# 997-5547-00

Affordable, easy to install wall mount with multiple adjustment features. Swing arm that has the flexibility to extend out 17.5" from the wall or folds in 3.4" from the wall. Built-in covers to hide monitor cables for a clean, organized look. Supports LCD monitors up to 24" and under 33 lbs. with a 75 or 100 mm VESA pattern.



Wall Mount - Fixed

Part# 997-5546-00

Affordable, easy to install wall mount with multiple adjustment features. Effortless torque adjustment and a safety lock for permanent positioning. Supports LCD monitors up to 24" and under 33 lbs. with a 75 or 100 mm VESA pattern.



MSR Bracket

Part# 997-3057-00

Attach a Magnetic Stripe Reader (MSR) to virtually any PT15/PT17 touch monitor using the VESA hole pattern without the need for Velcro or tape!

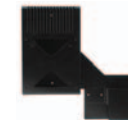
(Fits PT1500M(U), PT1510MX, PT1501MU, PT1700M, PT1710MX and PT1701M(U))



R50L Thin Client Bracket

Part# 997-5798-00

Attach a Wyse® R50L Thin Client to a PT15/PT17/PT19 Touch Monitor using the VESA hole pattern on the back of the monitor (75 mm for 15" monitors and 100mm for 17" and 19" monitors). Perfect for mounting your monitor and thin client to a medical cart, swing arm or wall mount. Comes standard with 18" VGA cable and 18" USB cable.



S-Series Thin Client Bracket

Part# 997-3185-00

Attach a Wyse® S-Series Thin Client to a PT15/PT17/PT19 Touch Monitor using the VESA hole pattern on the back of the monitor (75 mm for 15" monitors and 100 mm for 17" and 19" monitors). Perfect for mounting your monitor and thin client to a medical cart, swing arm or wall mount. Comes standard with 18" VGA cable and 18" USB cable.



V-Series Thin Client Bracket

Part# 997-3283-00

Attach a Wyse® V-Series Thin Client to a PT17/PT19 Touch Monitor using the VESA hole pattern on the back of the monitor (100 mm for both 17" and 19" monitors). Perfect for mounting your monitor and thin client to a medical cart, swing arm or wall mount. Comes standard with 18" VGA cable and 18" USB cable.



Thin Client Keyboard

Part# 772-4347-00

Replacement keyboard for the ND product family. 104 key keyboard, with Windows® key, USB interface, PS2 mouse connector, black.



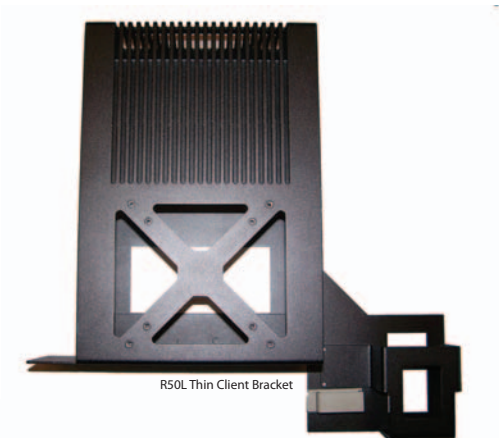
Thin Client Mouse

Part# 997-4346-00

Replacement mouse for the ND product family. 2-button with wheel, PS2 connector, black.

ND 3-Year Thin Client Software Maintenance Package

Part# 990-0569-00



R50L Thin Client Bracket



Wyse® Thin Client Bracket

Customer First™ Warranty

“Our IT Company does about \$250,000 in parts a year. We have chosen to purchase Planar monitors exclusively, because of your quick response, warranty and service. We no longer buy another company's displays because of their limited warranty policy. Your people are **GREAT!!** Great display, **GREAT** warranty and **GREAT** service!!”

- Ernesto Bello, Systems Engineer,
MSnetworkingaz.com

- **2-Day Advance Replacement***
3-Years for LCD Monitors, Touchscreens, XP LCD TVs, Projectors and Network Displays
*Valid only in US.
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for Network Displays
*Extended software maintenance packages available
- **180 Day Lamp Warranty**
for Projectors
- **24/7 Support**
1.866.PLANAR.1 (752.6271) or 503.748.5799 (direct)
- **Online Chat Service**
available - visit www.Planar.com/Support
(Mon-Fri, 5am-5pm PST)
- **Extended Warranties Available**
for Projectors and Network Displays
- **We pay shipping both ways!**

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