

LCD Product Series

● **Panel PC >>**

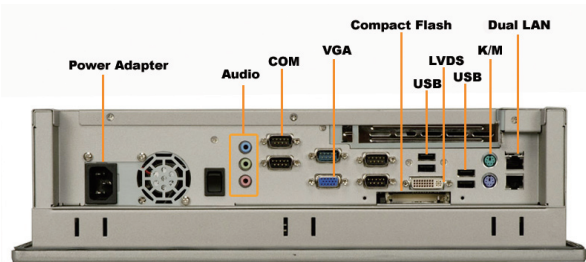
● **Workstation >>**

● **LCD Monitor >>**



PPC-5350GS

RoHS Compliance, 15" IP65 Panel PC



Feature

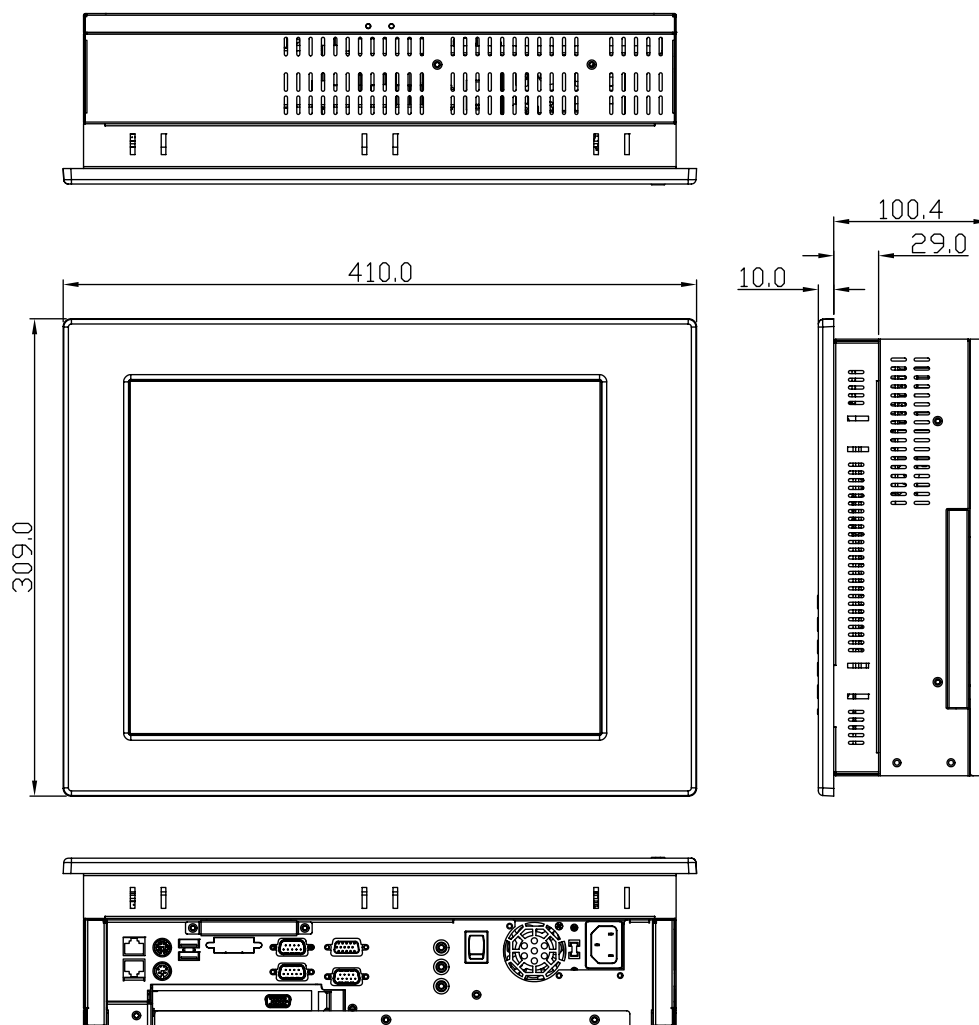
- Intel Pentium M / Celeron M mobile CPU support
- Low power consumption and thermal distribution
- Dual DDR memory DIMM support up to 2GB SDRAM
- Serial ATA interface support
- Easy installing and mechanism design
- Aluminum die-casting IP65, high brightness 15" industrial panel
- Fully I/O function support: 6x COM, 4 x USB, 1 x CF socket
- Flexible extension interface:
1 x PCI slot, 1 x mini-PCI slot, 1 x PCMCIA
- Dual 10/100/Gigabit Ethernet support
- RoHS Compliance



Comparison of Models

Fully RoHS compliant		I/O	
15" High luminance TFT LCD display		<ul style="list-style-type: none"> - 1 x RS-232/422/485 port - 5 x RS-232 ports (2 connectors, 3 pin-headers) - 4 x USB 2.0 ports (2 connectors, 2 pin-headers) - 1 x IrDA- 4 x Digital in, 4 x digital out - 2 x Serial ATA ports - 2 x ATA100 channels - 2 x PS/2 ports (KB/MS) 	
Resolution	1024 x 768 (XGA)	Expansion Interface	
Brightness	350 cd/m2	<ul style="list-style-type: none"> - 1 x PCI slot- 1 x mini-PCI socket - 1 x Compact Flash type II socket - 1 x PCMCIA socket (support 32bit Cardbus) 	
Contrast Ratio	400:1	Drive Bays	
LCD MTBF	50000hrs	1 x slim type CDROM bay,	
Backlight MTBF	30000hrs	Aluminum front panel , meets IP65 standard.	
Interface	LVDS	Optional Resistive type touch screen with RS-232 interface.	
Main board		Vibration	
A300		5 ~ 17 Hz, 0.1" double amplitude displacement, 17 ~ 640 Hz, 1.5G acceleration peak to peak.	
CPU		Shock	
Socket-479 base Intel Pentium M / Celeron M up to FSB 400 MHz or onboard ULV Celeron M 800MHz (800Z model)		10G acceleration peak to peak. (11ms)	
System Chipset		Relative Humidity	
Intel 852GM + ICH4		5 ~ 95%, non-condensing.	
System Memory		Operating Temperature	
2 x DDR 266/333 DIMM socket up to 2GB		0 ~ 50° C.	
VGA		Color	
Chipset integrated, Intel Extreme Graphic 2, dual display supports		Silver (PANTONE PMS-8001).	
VG		Dimensions	
1		410(W) x 309(H) x 110(D) mm.	
Ethernet		Net/Gross Weight	
2 x Realtek RTL8110S Gigabit Ethernet controller		8/12 Kg.	
Audio			
AC '97 Codec, 5.1 channels			

Dimensions



Ordering Information

■ PPC-5350GS/A300

15" socket-479 Pentium M/Celeron M CPU TFT LCD panel PC with A300 main board

■ PPC-5350GS/A300/T-R

15" socket-479 Pentium M/Celeron M CPU TFT LCD panel PC with A300 main board and 15" resistive touch screen

■ PPC-5350GS/A300-800Z

15" ULV Celeron M 800MHz CPU TFT LCD panel PC with A300 main board

■ PPC-5350GS/A300-800Z/T-R

15" ULV Celeron M 800MHz CPU TFT LCD panel PC with A300 main board and 15" resistive touch screen

■ 7Z000-WMG2K4V-RS

802.11B/G Mini-PCI interface WiFi module with RF cable and antenna

Packing List

1x Power Code

P/N:32000-000002-RS

1x Screws Kits

P/N:19600-000203-RS

1x IDE CABLE

P/N:32000-069900-RS

1 x Driver CD

1x CPU COOLER

P/N:19100-000039-RS

PPC-5150GS/5170GS

RoHS Compliance,
15" & 17" IP65 Panel PC



PPC-5150GS

Feature

- Most popular panel PC form factor
- High performance Intel Pentium 4 / Celeron CPU support
- Dual DDR memory DIMM support up to 2GB SDRAM
- Serial ATA interface support
- Easy installing and mechanism design
- High brightness 15" and 17" industrial grade panel
- Aluminum die-casting front panel meet IP65 standard
- Fully I/O function support: 1 x PCI slot, 6 x COM (1 inside for Touch Screen), 4 x USB, 1 x CF socket, Dual 10/100/Gigabit Ethernet support



PPC-5170GS

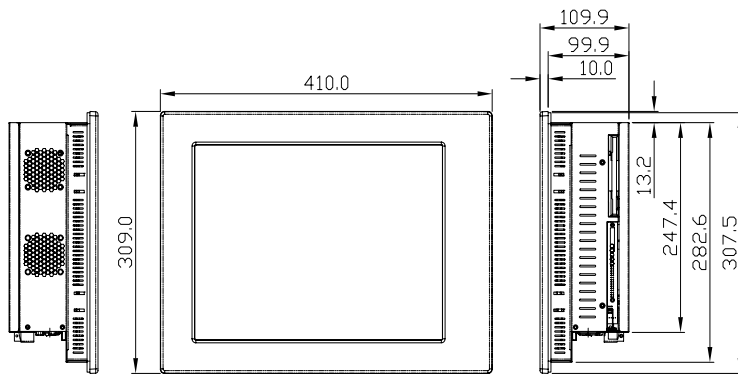


Comparison of Models

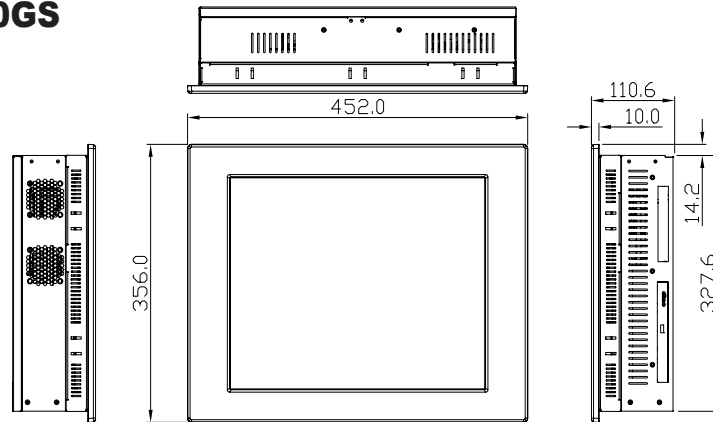
■	Fully RoHS compliant		■	I/O	
■	15" or 17" High luminance TFT LCD display				- 1 x RS-232/422/485 port - 5 x RS-232 ports (4 connectors, 1 pin-headers) - 4 x USB 2.0 ports - 1 x IrDA - 4 x Digital in, 4 x digital out - 2 x Serial ATA ports- 2 x ATA100 channels
	Resolution	PPC-5150GS:1024 x 768 (XGA) PPC-5170GS:1280x1024(SXGA)	■	Expansion Interface	
	Brightness	PPC-5150GS:350 cd/m2 PPC-5170GS:300 cd/m2			- 1 x PCI slot - 1 x Compact Flash type II socket
	Contrast Ratio	PPC-5150GS: 400:1 PPC-5170GS:500:1	■	Drive Bays	
	Backlight MTBF	30000hrs			1 x slim type CDROM bay, 1 x slim type FDD bay,
	Interface	LVDS	■	Aluminum front panel , meets IP65 standard.	
■	Main board	POS-8520	■	Optional Resistive type touch screen with RS-232 interface.	
	CPU	Socket-478 base Intel Pentium 4 / Celeron D up to FSB 533 MHz	■	Vibration	5 ~ 17 Hz, 0.1" double amplitude displacement, 17 ~ 640 Hz, 1.5G acceleration peak to peak.
	System Chipset	Intel 852GM + ICH5	■	Shock	10G acceleration peak to peak. (11ms)
			■	Relative Humidity	5 ~ 95%, non-condensing.
	System Memory	2 x DDR 266/333 DIMM socket up to 2GB	■	Operating Temperature	0 ~ 50° C.
	VGA	Chipset integrated, Intel Extreme Graphic 2, dual display supports	■	Color	Silver (PANTONE PMS-8001).
	Ethernet	2 x Realtek RTL8110S Gigabit Ethernet controller	■	Dimensions	PPC-5150GS:410(W) x 309(H) x 110(D) mm. PPC-5170GS:452(W) x 356(H) x 110(D) mm.
	Audio	AC '97 Codec, 5.1 channels	■	Net/Gross Weight	PPC-5150GS:7/11 Kg PPC-5170GS:8/12 Kg

Dimensions

PPC-5150GS



PPC-5170GS



Ordering Information

- **PPC-5150GS/POS-8520**
15" TFT Panel PC with POS-8520,
Silver color
- **PPC-5150GS/POS-8520/T-R**
15" TFT Panel PC with POS-8520,
Silver color, w/ 15" Touch Screen
- **PPC-5170GS/POS-8520**
17" TFT Panel PC with POS-8520,
Silver color
- **PPC-5170GS/POS-8520/T-R**
17" TFT Panel PC with POS-8520,
Silver color, w/ 17" Touch Screen

Packing List

1x Power Code
P/N:32000-000002-RS
1x Screws Kits
P/N:19600-000203-RS
1x IDE CABLE
P/N:32000-069900-RS
1 x Driver CD
1x CPU COOLER
P/N:19100-000039-RS

WS-875G / 855G / 843G / 612G

RoHS Compliance, IP64 & Robust Industrial Workstation



WS-875G



WS-855G



WS-843G

Feature

- Compact die-cast aluminum front panel and integrated LCD back frame
- Front panel, membrane keys, mouse pad and drive-bay enclosure meet IP64 standard for tough environment
- Advanced thermal and air-flow design
- New robust chassis and retention kit structure for shocking and vibration
- Full function membrane keys and submerged OSD controller
- Support Slot SBC and m-ATX motherboard
- RoHS Compliance

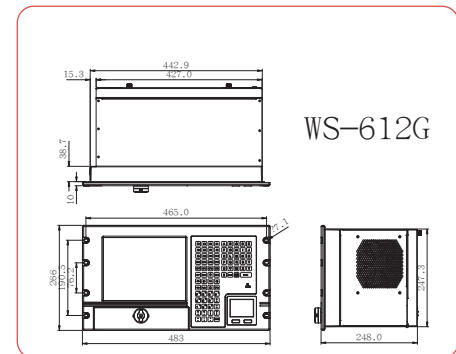
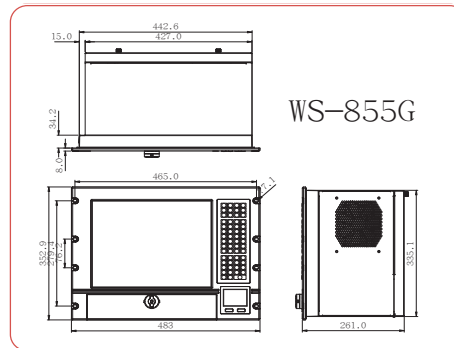
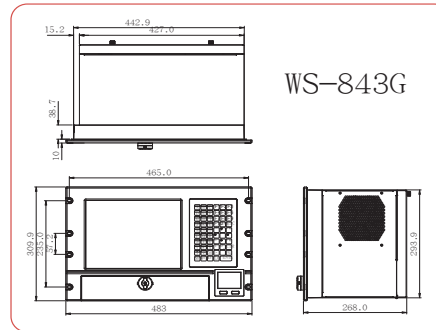
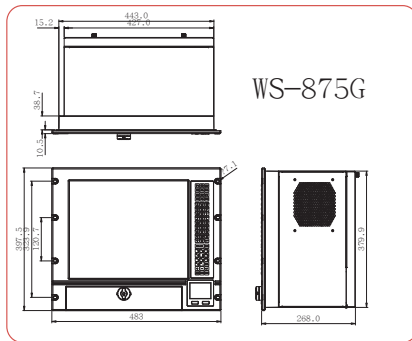


WS-612G

Comparison of Models

	WS-612G	WS-843G	WS-855G	WS-875G	System Fan	WS-612G	WS-843G	WS-855G	WS-875G
LCD Size	10.4"	12.1"	15"	17"	3.5 /FDD Bay	1	1	1	1
Resolution	800*600	800*600	1024*768	1280*1024	5.25 Bay	N/A	1	1	1
Brightness	230	400	350	300	System Fan	12cm 2 ball bearing 99.6 CFM fan			
Contrast	500:1	500:1	400:1	500:1	Front Panel USB	4	2	2	2
LCD color	262K	262K	262K	16.2M	Power Supply	ACE-4525AP-RS 1U Type	ACE-832AP PS/2 Type	ACE-832AP PS/2 Type	ACE-832AP PS/2 Type
LCD MTBF(Hours)	50000 / 30000 (LCD / Backlight)								
Input Interface	Analog VGA (DB-15)				Optional Touch Screen	Yes			
Slot	7 Slots	10 slots	10 slots / MB	10 slots / MB	Vibration	5 ~ 17 Hz, 0.1" double amplitude displacement 17~640 Hz, 1.5G acceleration peak to peak			
Form Factor	Full Size SBC		Full Size SBC / m-ATX		Shock	10G acceleration peak to peak (11ms)			
Mounting	19" Rack Mount				Relative Humidity	5 ~ 95%, non-condensing			
Rack Height	6U	7U	8U	9U	Operating Temperature	0 ~ 50° C			
Front Frame	Aluminum				Color	Silver (PANTONE PMS-8001)			
IP Level	IP64				Dimension (W x H x D)(mm)	483 x 266 x 248	483 x 310 x 268	483 x 353 x 261	
Touch Pad/ Function Key/ Key Pad	Yes				Weight (NW / GW)	9.2 / 14.4kg	10.7 / 17.2kg	12 / 18.2kg	

Dimensions



Ordering Information

- **WS-612GS/4525AP**
6U 7-slot 10.4" TFT LCD workstation with ACE-4525AP-RS 250W ATX with PFC power supply
- **WS-612GS/4525AP/T-R**
6U 7-slot 10.4" TFT LCD workstation with ACE-4525AP-RS 250W ATX with PFC power supply and resistive touch screen
- **WS-843GS/832AP**
7U 10-slot 12.1" TFT LCD workstation with ACE-832AP-RS 300W ATX with PFC power supply
- **WS-843GS/832AP/T-R**
7U 10-slot 12.1" TFT LCD workstation with ACE-832AP-RS 300W ATX with PFC power supply and resistive touch screen
- **WS-855GS/832AP**
8U 10-slot 15" TFT LCD workstation with ACE-832AP-RS 300W ATX with PFC power supply
- **WS-855GS/832AP/T-R**
8U 10-slot 15" TFT LCD workstation with ACE-832AP-RS 300W ATX with PFC power supply and resistive touch screen
- **WS-855GSATX/832AP**
8U m-ATX 15" TFT LCD workstation with ACE-832AP-RS 300W ATX with PFC power supply
- **WS-855GSATX/832AP/T-R**
8U m-ATX 15" TFT LCD workstation with ACE-832AP-RS 300W ATX with PFC power supply and resistive touch screen
- **WS-875GS/832AP**
9U 10-slot 17" TFT LCD workstation with ACE-832AP-RS 300W ATX with PFC power supply
- **WS-875GS/832AP/T-R**
9U 10-slot 17" TFT LCD workstation with ACE-832AP-RS 300W ATX with PFC power supply and resistive touch screen
- **WS-875GSATX/832AP**
9U m-ATX 17" TFT LCD workstation with ACE-832AP-RS 300W ATX with PFC power supply
- **WS-875GSATX/832AP/T-R**
9U m-ATX 17" TFT LCD workstation with ACE-832AP-RS 300W ATX with PFC power supply and resistive touch screen

Recommend Peripheral

	WS-612G	WS-843G	WS-855G	WS-875G
Recommend Backplane	PCI-7S;PE-6S IP-7S;BP-7S; PCIAGP-6S	PCI-10S/10S2 ;PX-10S PE-10S; IP-10S IPX-9S; PCIAGP- 9S2 PXAGP-9S;IP- 10S/10S2 BP-10S	PCI-10S/10S2 PX-10S;PE-10S IP-10S;IPX-9S PCIAGP- 9S2;PXAGP-9S IP-10S/10S2;BP- 10S	PCI-10S/10S2 PX-10S;PE-10S IP-10S;IPX-9S PCIAGP- 9S2;PXAGP-9S IP-10S/10S2;BP- 10S
Recommend m-ATX MB			ICPMB-7880 IMB-8550	

Packing List

Standard	
1x Screw Kit P/N: 19600-000148-RS	4x Press Stick Kit (Long) P/N: 41015-0003C0-00-RS
1x Power Cable P/N: 32000-000002-RS	3x Press Stick Kit (Short) P/N: 41015-0004C0-00-RS
1x VGA Cable P/N: 32000-023200-RS	7x Press Stick Rubber P/N: 47001-000101-RS
1x PS_ON Cable for ATX signal P/N: 32100-034801-RS	1x User Manual
Optional	
1x KeyPad / MousePad PS/2 Cable P/N: 32000-000072-RS Note: For general model!	1x RS-232 Cable / Touch Pen / Driver CD-ROM for Touch Screen P/N: 32000-000050-RS Note: For T-R Model ONLY!
1x KeyPad / MousePad PS/2 Cable P/N: 32000-061400-RS Note: For ATX model!	

MPC-57G / 55G / 52G / 50G

RoHS Compliance,

IP65 & Robust Industrial Mini-workstation



MPC-57G



MPC-55G



MPC-52G



MPC-50G

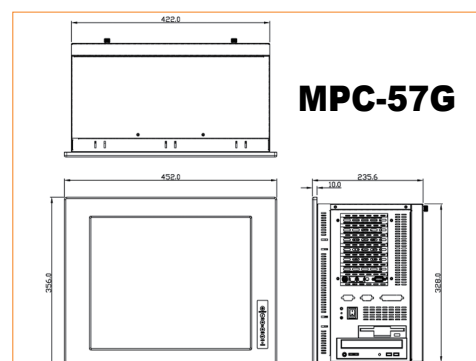
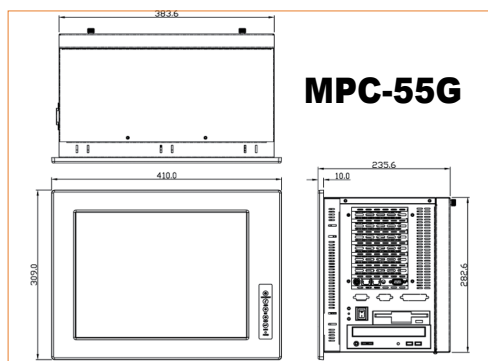
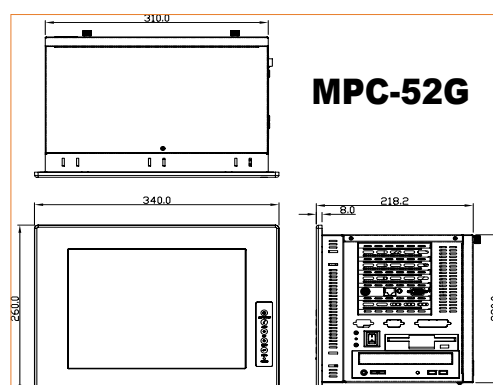
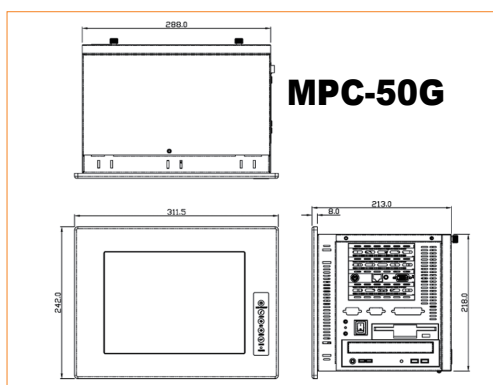
Feature

- Aluminum front panel meet IP65 standard for tough environment
- Support full / half size slot SBC system
- Analog VGA and DVI input interface support
- New robust steel chassis for shocking and vibration requirement
- High brightness and 50000hrs MTBF long lifetime panel
- Advanced thermal and air-flow design
- Panel mount / Rack mount supports
- Optional RS-232 interface touch screen
- OSD Function on the front panel
- RoHS Compliance

Comparison of Models

	MPC-50G	MPC-52G	MPC-55G	MPC-57G	System Fan	MPC-50G	MPC-52G	MPC-55G	MPC-57G
LCD Size	10.4"	12.1"	15"	17"	3.5 & FDD Bay	1	1	1	1
Resolution	800*600	800*600	1024*768	1280*1024	5.25 Bay	1	1	1	1
Brightness	230	400	350	300	System Fan	8cm 2 ball bearing 38 CFM fan			
Contrast	500:1	500:1	400:1	500:1	Power Supply	ACE-816AP/916AP 1U Type		ACE-832AP PS/2 Type	
LCD color	262K	262K	262K	16.2M	Optional Touch Screen	Yes			
LCD MTBF(Hours)	50000 / 30000 (LCD / Backlight)				Vibration				
Input Interface	Analog VGA (DB-15)				Shock	10G acceleration peak to peak (11ms)			
Slot	4 Slots	5 slots	7 slots	7 lots	Relative Humidity	5 ~ 95%, non-condensing			
Form Factor	Half Size SBC		Full Size SBC		Operating Temperature	0 ~ 50° C			
Mounting	Panel Mount /19" Rack Mount				Dimension (W x H x D)(mm)	312 x 242 x 213	340 x 260 x 218	410 x 309 x 236	452 x 356 x 236
Front Frame	Aluminum				Weight (NW /GW)	6.6 / 9.3 kg	7.2/ 9.9 kg	11.1 / 14.7 kg	14 /17.8kg
IP Level	IP65				Recommand Backplane	IP-4SA BP-4S(AT)	IP-5SA IP-5SA2 BP-5S(AT)	PCI-7S PE-6S IP-7S BP-7S(AT) PCIAGP-6S	PCI-7S PE-6S IP-7S BP-7S(AT) PCIAGP-6S

Dimensions



Ordering Information

■ MPC-50GS/916AP

10.4" TFT LCD Industrial Panel PC, Aluminum Front, Silver Color,W/ACE-916AP

■ MPC-50GS/916AP/T-R

10.4" TFT LCD Industrial Panel PC, Aluminum Front, Silver Color,W/ACE-916AP/Touch Screen

■ MPC-50GS/816AP

10.4" TFT LCD Industrial Panel PC, Aluminum Front, Silver Color,W/ACE-816AP

■ MPC-50GS/816AP/T-R

10.4" TFT LCD Industrial Panel PC, Aluminum Front, Silver Color,W/ACE-816AP/Touch Screen

■ MPC-52GS/916AP

12.1" TFT LCD Industrial Panel PC, Aluminum Front, Silver Color,W/ACE-916AP

■ MPC-52GS/916AP/T-R

12.1" TFT LCD Industrial Panel PC, Aluminum Front, Silver Color,W/ACE-916AP/Touch Screen

■ MPC-52GS/816AP

12.1" TFT LCD Industrial Panel PC, Aluminum Front, Silver Color,W/ACE-816AP

■ MPC-52GS/816AP/T-R

12.1" TFT LCD Industrial Panel PC, Aluminum Front, Silver Color,W/ACE-816AP/Touch Screen

■ MPC-55GS/832AP

15" TFT LCD Industrial Panel PC, Aluminum Front, Silver Color,W/ACE-832AP

■ MPC-55GS/832AP/T-R

15" TFT LCD Industrial Panel PC, Aluminum Front, Silver Color,W/ACE-832AP/Touch Screen

■ MPC-57GS/832AP

17" TFT LCD Industrial Panel PC, Aluminum Front, Silver Color,W/ACE-832AP

■ MPC-57GS/832AP/T-R

17" TFT LCD Industrial Panel PC, Aluminum Front, Silver Color,W/ACE-832AP/Touch Screen

Packing List

1x Screw Kit

P/N: 19600-000201-RS

Note:For MPC-50G/52G!

1x Power Cable

P/N: 32000-000002-RS

1x Panel Mount Kit

P/N: 19Z00-000018-RS

Touch Pen / Touch Driver

Note:For T-R model

1x Screw Kit

P/N: 19600-000132-RS

Note:For MPC-55G/57G!

1x VGA Cable

P/N: 32000-023200-RS

1x RS-232 Cable for Touch Screen

P/N: 32000-025604-RS

Note:For T-R model



DM-121G / 150G / 170G

RoHS Compliance, IP65 & Robust Industrial Montior



DM-170G



DM-150G



DM-121G



Optional: CB-DVI-D-RS

DVI-D(M) to DVI-D(M) single link cable
Length:200cm



Feature

- Aluminum front panel meet IP65 standard for tough environment
- Analog VGA and DVI input interface support
- New robust steel chassis for shocking and vibration requirement
- 300 nits high brightness and 50000hrs MTFB long lifetime panel
- Advanced thermal and air-flow design
- M models support 9~36V DC power input for mobile application
- Optional RS-232 interface touch screen
- RoHS Compliance

Specification

■ Display

- Panel Type: M170EG01, SXGA TFT LCD
- LCD Size: 12.1" 15" 17"
- Max. Resolution: 1280 x 1024
- Brightness: 300 cd/m2
- Pixel Pitch: 0.264 mm
- LCD Color: 16.2M
- View Angle: 140 (H), 130 (V)
- Contrast Ratio: 500:1
- Backlight: 4CCFL
- LCD MTBF: 50000hrs
- Backlight MTBF: 30000hrs
- Protection: Front panel meet IP65 standard

■ Touch Screen (Optional):

- Model: PanJit S121F2/S150F5/S171E1 series
- Type: Analog resistive 5-wire or 8-wire
- Resolution: 4096 x 4096 dpi based on controller resolution
- Position Accuracy: Less than 1.5%
- Light Transmission: Anti-glare type: 78% to 90%
- Input Method: Finger, Stylus, or gloved hand
- Temperature (typical): Operating: -10 to 60°C (8-wire: -40 to 85°C)
Storage: -20 to 70°C (8-wire: -40 to 85°C)
- Surface Hardness: 3H and above per JIS K5400
- Electrostatic Protection: Touch panel: 30KV (Contact/Air)
Controller: 20KV (Contact/Air)
- Life: Hitting: more than 10 million hits for 5-wire models
Drawing: more 300K alphabets for 5-wire models

- Supported OSes: Windows XP/XP embedded, Windows 2000, Windows ME, Windows 98SE, Windows CE.Net 4.2 (x86 and ARM), WHQL certified, Linux Fedora Core I/II, Mandrake 10.0/10.1, RedHat 9.0

■ LCD Input Interface: Analog VGA and DVI-D input

■ Construction: Aluminum front panel, heavy duty steel chassis

■ OSD control key: Front panel on screen display function support

■ Mounting: Panel mount / wall mount / rack mount / VESA100 arm stand

■ I/O

- 1 x DVI
- 1 x VGA
- 1 x COM

■ Power Supply: 45W AC input

■ Dimension: 452.0 (W) x 356.0 (H) x 65.2 (D) mm

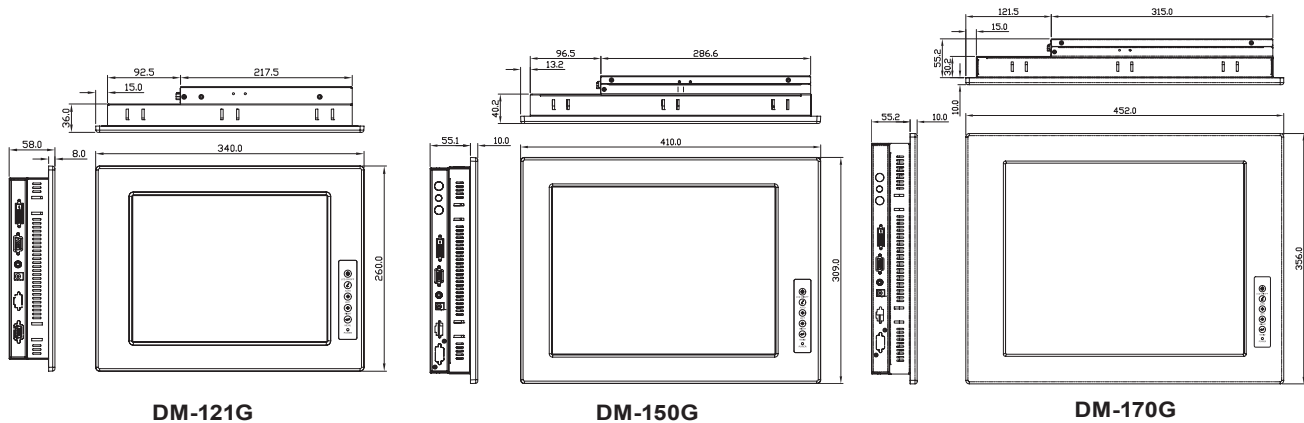
■ Weight: GW: / NW:

■ Color: Silver (PANTONE PMS-8001)

■ Environment

- Operation Temperature: 0~50°C
- Relative Humidity: 5~95%, non-condensing
- Vibration: 5 ~ 17Hz, 0.1" double amplitude displacement, 17~640 Hz, 1.5G acceleration peak to peak.
- Shock: 10G acceleration peak to peak. (11ms).

Dimensions



DM-121G

DM-150G

DM-170G

Comparison of Models

Model	DM-121G	DM-150G	DM-170G
LCD Size	12.1"	15"	17"
Input Interface	VGA + DVI-D	VGA + DVI-D	VGA + DVI-D
Max Resolution	800 x 600	1024 x 768	1280 x 1024
Brightness (cd/m ²)	400	350	300
Contrast	500:1	400:1	500:1
LCD Color	262K	262K	16.2M
Pixel Pitch (mm)	0.3075	0.297	0.264
Front Frame	Aluminum	Aluminum	Aluminum
Net/Gross Weight	3.8kg / 6kg	6kg / 8.9kg	8.6kg / 12.2kg
Chassis Color	Heavy-duty steel	Heavy-duty steel	Heavy-duty steel
View Angle (H / V)	140/110	120/100	140/130
Power Adapter	45W	45W	45W
OSD function	Yes	Yes	Yes
Mounting	Wall/Panel/Rack/Arm	Wall/Panel/Rack/Arm	Wall/Panel/Rack/Arm
Chassis Color	Silver	Silver	Silver
Dimension (WxHxD) (mm)	340 x 260 x 58	410 x 309 x 65.1	452.0 x 356.0 x 65.2
Operation Temperature (°C)	50	50	50
IP Level	IP65	IP65	IP65

Ordering Information

■ DM-121GS

12.1" LCD Monitor with VGA and DVI-D input

■ DM-121GMS

12.1" LCD Monitor with VGA and DVI-D input and 9~36 V DC input

■ DM-121GS/T-R

12.1" LCD Monitor with VGA and DVI-D input and resistive touch screen

■ DM-121GMS/T-R

12.1" LCD Monitor with VGA and DVI-D input ,9~36 V DC input and resistive touch screen

■ DM-150GS

15" LCD Monitor with VGA and DVI-D input

■ DM-150GMS

15" LCD Monitor with VGA and DVI-D input and 9~36 V DC input

■ DM-150GS/T-R

15" LCD Monitor with VGA and DVI-D input and resistive touch screen

■ DM-150GMS/T-R

15" LCD Monitor with VGA and DVI-D input ,9~36 V DC input and resistive touch screen

■ DM-170GS

17" LCD Monitor with VGA and DVI-D input

■ DM-170GMS

17" LCD Monitor with VGA and DVI-D input and 9~36 V DC input

■ DM-170GS/T-R

17" LCD Monitor with VGA and DVI-D input and resistive touch screen

■ DM-170GMS/T-R

17" LCD Monitor with VGA and DVI-D input ,9~36 V DC input and resistive touch screen

Packing List

1x DM-121G/150G/170G Industrial Monitor
1x AC Power Cable P/N:32000-000002-RS

1x VGA Cable P/N: 32000-036200-RS
1x 45W AC Power Adapter P/N: 63UP0451E12P64L-000-RS
1x Touch Screen RS-232 Cable / Touch Pen / 1x Driver CD Disk
P/N:32000-000050-RS

Note: This item is for T-R model ONLY!

5x Round Head Screw P/N: 44003-030062-RS
5x Flat Head Screw P/N: 44013-030041-RS

5x Wire Strain Band P/N:46004-000200-RS
1x QIG / CDROM
1x Power Cable for Terminal Block P/N:32100-041000-RS

Note: This item is for M model ONLY!