



# DM-121G / 150G / 170G

## RoHS Compliance, IP65 & Robust Industrial Montior



DM-170G



DM-150G



DM-121G



Optional: CB-DVI-D

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 USB
- 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

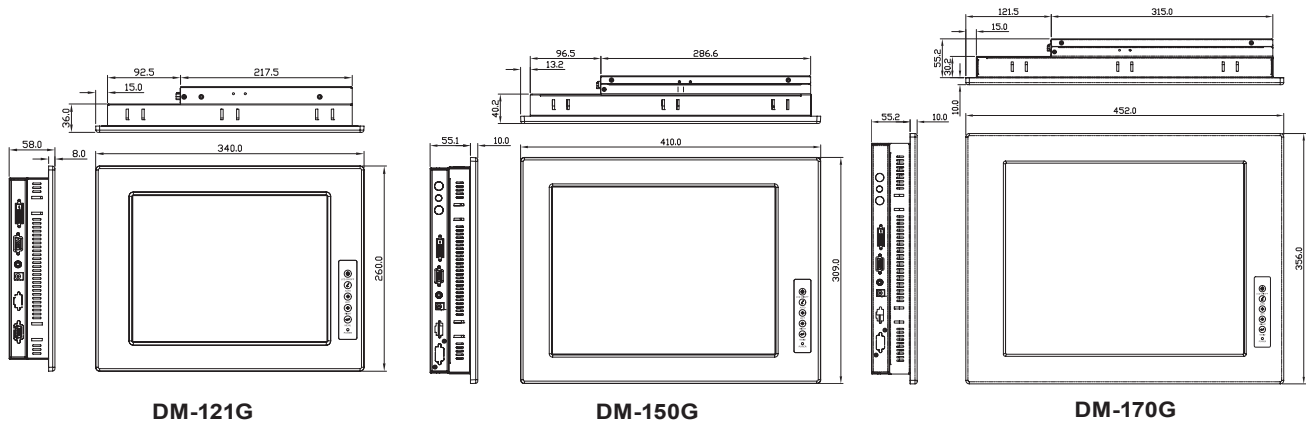
#### ■ Weight: GW: / NW:

#### ■ 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).
- EMC/EMI/Safety:

# 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 <sup>2</sup> )	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 58.1	452.0 x 356.0 x 58.2
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	5x Round Head Screw P/N: 44003-030062-RS
1x AC Power Cable P/N:32000-000002-RS	5x Flat Head Screw P/N: 44013-030041-RS
1x VGA Cable P/N: 32000-036200-RS	5x Wire Strain Band P/N:46004-000200-RS
1x 45W AC Power Adapter P/N: 63UP0451E12P64L-000-RS	1x QIG / CDROM
1x Touch Screen RS-232 Cable / Touch Pen / 1x Driver CD Disk P/N:32000-000050-RS	1x Power Cable for Terminal Block P/N:32100-041000-RS

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

**Note: This item is for M model ONLY!**



Taiwan

IEI Technology Corp.

TEL : 886-2-86916798 FAX : 886-2-66160028

sales@iei.com.tw www.ieiworld.com

No. 29, Jhongsing Rd., Sijh City, Taipei County, 221, Taiwan

U.S.A.

IEI Technology USA Corp.

TEL : 1-562-690-6677 FAX : 1-562-690-0898

emarketing@usa.ieiworld.com www.usa.ieiworld.com

515 N. Puente St., Brea, CA 92821

China

Armorlink SH Corp.

TEL : 86-21-5442-9000 FAX : 86-21-5442-9100

sales@ieiworld.com.cn www.ieiworld.com.cn

No.515, Shenfu Road, Minhang District, Shanghai, China