

TDM-121/150GMS 12.1"/15" Wide Range Temperature TFT LCD Monitor



Feature

- Wide Operating Temperature: -30°C~+70°C
- 12.1" XGA High Resolution
- Superior Image
- M models support 9~36V DC power input for mobile application
- DVI-D and Analog VGA input interface for comprehensive usage
- IP 65 Compliant

Wide Temperature

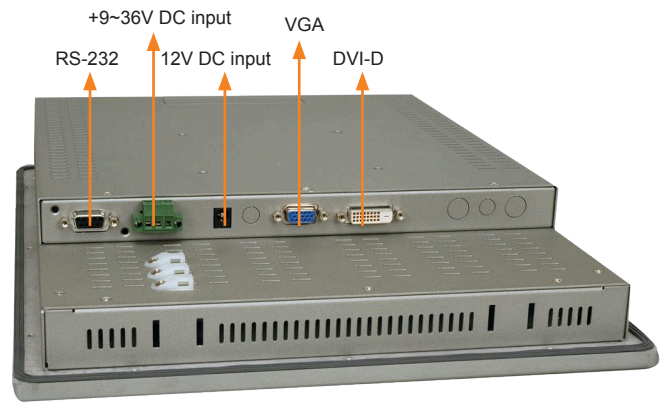
High-Brightness
450cd/m²

XGA
1024X768

IP65

Wide Viewing Angles

50,000 Hours Long Lifetime



Specifications

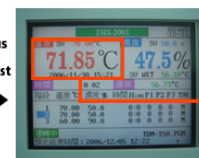
Model	TDM-121GMS	TDM-150GMS
LCD Size	12.1"	15"
Resolution (H x V)	1024 x 768 (XGA)	
Luminance (cd/m ²)	450	
Contrast Ratio	700:1	
Display Color	260k	16M
View Angle (U/D/R/L)	80/80/80/80	
Pixel Pitch (mm)	0.24	0.297
Operating Temperature	-30°C ~ +70°C	
Storage Temperature	-40°C ~ +80°C	
Lamp Life Time	50000hrs	
Input Interface	Analog VGA , DVI-D	
Front Frame	Aluminum	
Chassis	Heavy-duty Steel	
Color	Silver	
OSD Function	Yes	
Input Voltage	12VDC or 9 ~ 36VDC	
Mounting	Wall/Panel/Rack/Arm/Stand	
Front Panel Protection	IP65 Compliant	
Net Weight	3.3kgs	6kgs
Dimension (W x H x D mm)	340 x 260 x 58	410 x 309 x 65.2

IEI Strict Design Quality Verification

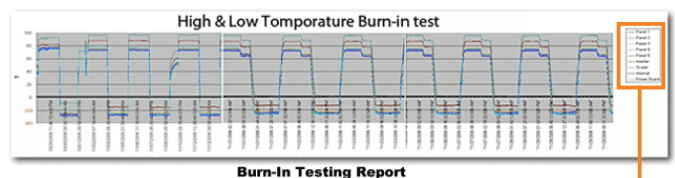
Typical monitors can only be used in environments that have temperatures in the 0°C~50°C range, Extended IEI environmental testing is performed to ensure the TDM series continues to function properly over its entire service life in a wide working temperature range of -30°C to +70°C. After being tested in the -30°C to +70°C temperature range, the TDM series was found to maintain its original luminance and function properly.



Continuous 1,000hrs Burn-In Test

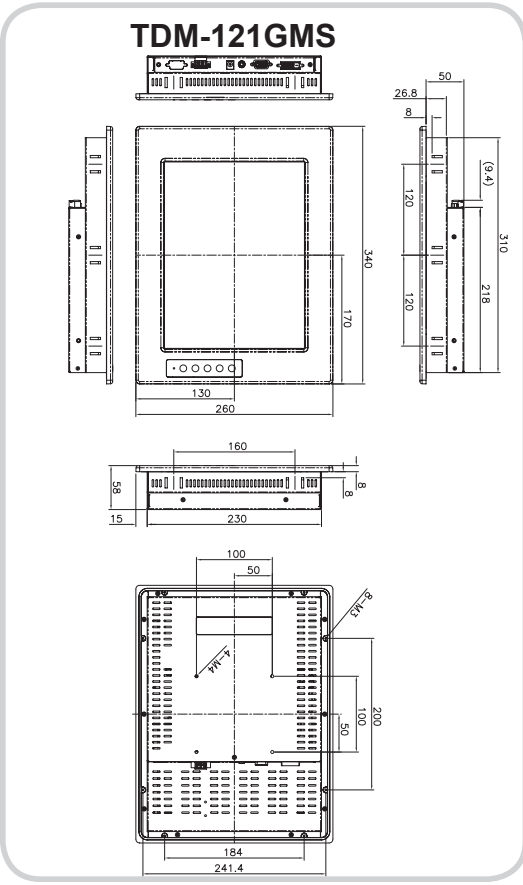
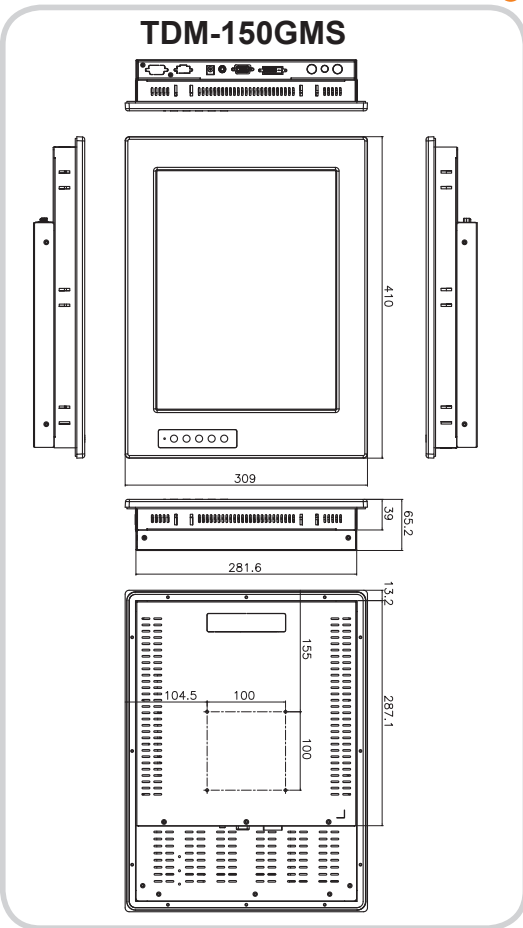


To assure the TDM can function properly in harsh working environment, the internal temperature of test chamber was set in the range -30°C to +70°C.



Nine thermocouples record all the temperature variations during the burn-in test and the TDM monitor functions during the test.

Dimensions



12.1" XGA Resolution: 1024X768

The TDM-121GMS supports higher resolutions and smaller pixel pitches (0.24mm versus 0.24mm) to deliver great computer displays.



TDM-121GMS

High Brightness: 450cd/m²

With a luminance of 450 cd/m², the TDM series offer an improvement over the 250 to 300 cd/m² luminance typically available with other 12.1 and 15 inch TFT LCD modules. The high-brightness feature ensures the screen content is highly visible in all lighting conditions.



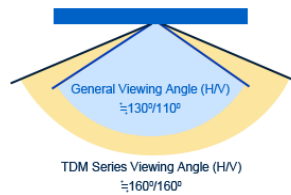
Normal Brightness



High Brightness

Wide Viewing Angles: 160°

Typical small size panels only support 130°/110° (H/V) viewing angle, but IEI TDM series can support maximum of viewing angle up to 160°/160° (H/V). Wide viewing angles let you not lose the screen brightness and possibly a change of displayed colors, when you view the monitor from the side.



TDM Series Viewing Angle



General Viewing Angle

Mounting Kits Information

	TDM-121GMS	TDM-150GMS
Panel Mount Kit	PK-121M	PK-150M
Wall Mount Kits	WK-121MS-R10	WK-150MS-R10
Stand	Stand-100-RS	Stand-200-RS
ARM	ARM-11-RS	ARM-31-RS
Rack Mount Kit	RK-121MS-R10	RK-150MS-R10

Packing List

1 X TDM LCD monitor	1 X Screw set
1 X Power cable for terminal block	1 X Touch Panel RS-232 Cable/Touch Pen/Driver CD-ROM (For T-R model only)
1 X VGA cable	1 X 45WAC power adapter / AC power card (operating temperature 0°C~ 40°C)
1 X User manual on CD-ROM	

Ordering Information

TDM-121GMS	12.1" 450cd/m ² LCD Monitor, Aluminum Front Panel, 9~36V input DC input, -30°C ~ +70°C Operating Temperature, RoHS
TDM-121GMS/T-R	12.1" 450cd/m ² LCD Monitor, Aluminum Front Panel, W/12.1" Touch Screen, 9~36V input DC input, -30°C ~ +70°C Operating Temperature, RoHS
TDM-150GMS	15" 450cd/m ² LCD Monitor, Aluminum Front Panel, 9~36V input DC input, -30°C ~ +70°C Operating Temperature, RoHS
TDM-150GMS/T-R	15" 450cd/m ² LCD Monitor, Aluminum Front Panel, W/15" Touch Screen, 9~36V input DC input, -30°C ~ +70°C Operating Temperature, RoHS