

# MPX-121MD



## 12" XVGA Industrial Fanless Panel PC IP65, with Intel Atom Dual Core D2550 CPU VGA, Dual GbE LAN, 2COM, USB 2.0/3.0

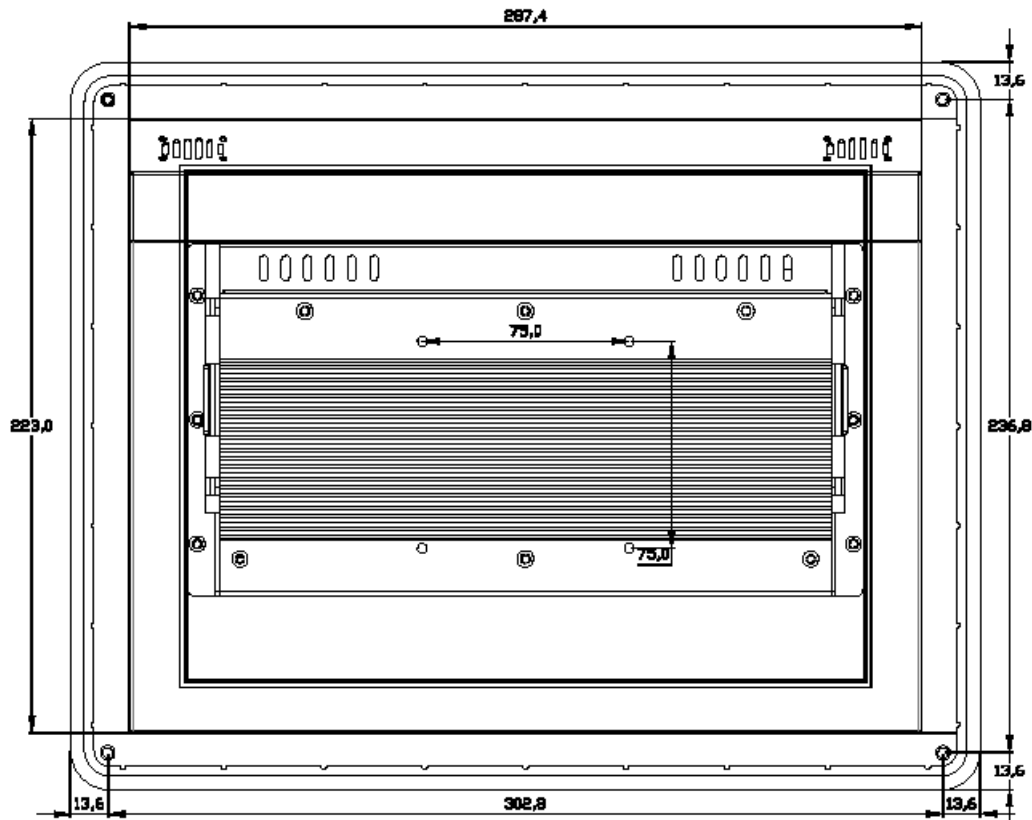
### Features

- 12.1" TFT XVGA, 800 x 600, 300 cd/m2 Luminance, 50K hrs/LED
- 12.1" TFT XVGA, 1024 x 768, 400 cd/m2 Luminance, 50K hrs/LED
- Intel Atom D2550 Dual Core 1.86GHz CPU, memory up to 4GB.
- Dual independent display by VGA
- COM1 by RS-232/422/485, COM2 by RS-232 with power 5V/12V
- 6 x USB( USB 3.0 and USB 2.0)
- Supports 2.5" SATA HDD
- Flexible mounting solutions by Panel / VESA 75/ Wall Mount
- Wide Range DC +12V ~ +24V DC input by DC Jack
- -10°C ~ 70°C harsh operation environment

## Specifications

	Intel Atom CPU	MPX-121SMD	MPX-121MD
System Processor	Max. Speed(Core)	1.86GHz(Dual core)	
	L2 Cache	1MB	
	CPU/Chipset	Atom D2550/NM10	
	BIOS	AMI 16Mb AMI UEFI with GUI support	
Expansion Slot	Mini-PCIe	1 x full-size	
	Storage	1 x SATA DOM	
Memory	Specification (SO-DIMM)	1 x DDR3	
	Max. Capacity	4 GB	
Display	LCD	12.1" TFT XVGA	12.1" TFT XVGA
	Resolution	800x600	1024 x 768, 16.2M Colors
	Luminance (cd/m2)	300 cd/m2	400 cd/m2
	Viewing Angle	80°	
	Backlight Lifetime	50,000 hrs / LED	
Ethernet	Interface Controller	PCI-E 10/100/1000 Mbps LAN	
	Connector	2 x RJ-45	
Storage	SATA2	1 x SATA2, 320G/500G option	
	SATA DOM	1 x SATA DOM, 16G-64G option	
	CF Card	N/A	N/A
System Rear I/O	VGA	1 x DB-15	
	Ethernet	2 x RJ45	
	USB	6 x USB Type-A(USB 3.0 x2, USB 2.0 x 4)	
	Audio	1 x Audio ports, Line-out, Phone Jack	
	Serial COM1	1 x DB-9 (RS-232/422/485)	
	Serial COM2	1 x DB-9 (RS-232 with power 5V/12V)	
	KB/MS	1 x 6-pin Mini-DIM for PS/2 keyboard and PS/2 mouse	
	System Power Input	1 x DC Jack, +12V ~ +24V ( By AC 110~220V to DC Adapter, +19V/3A)	
System Features	Speaker	2x 2W Speaker	
	Camera	1x Resolution 1600 x 1200, 2M pixel, USB interface (option)	
	Touch Screen	1x Analog resistive 5 Wire Touch	
	OS Support	XP Embedded, Win CE 7.0, Win 7	
Watchdog Timer	Output and Interval	System reset, programmable 1 ~ 255 sec/min; 1 sec. or 1min. /step	
Power Require	Typical	About 34W ( Depends on system configuration)	
Environment	Temperature	Operating	None-operating
		-10 ~ 60°C ( 14 ~ 158°F )	-30 ~ 80°C ( -22 ~ 175°F )
Physical Size	Dimensions	330mm(W) x 264mm(L) x 48mm(D)	
Packing	Dimension	455mm(W) x 410mm(L) x 150mm(D)	
Weight	N.W. / G.W.	8.8lb (4.0Kg) / 10lb (4.5Kg)	
Certifications	EMC	CE / FCC Class B	

## Dimensions



## Ordering Information

Part Number	CPU	Chip	VGA	GbE/USB	COM1/2	Audio	Power Input	KB/MS	RAM	HDD	Wi-Fi	Camera
MPX-121MD	D2550	NM10	1	2/4	RS-232	Line/O	DC Adapter	1	N/A	N/A	N/A	N/A
MPX-121SMD	D2550	NM10	1	2/4	RS-232	Line/O	DC Adapter	1	N/A	N/A	N/A	N/A
MPX-121MD-S	D2550	NM10	1	2/4	RS-232	Line/O	DC Adapter	1	2GB	320G	YES	YES
MPX-121SMD-S	D2550	NM10	1	2/4	RS-232	Line/O	DC Adapter	1	2GB	320G	YES	YES

## Optional Items

Part Number	Description
SODIMM-DDR3-1GB	204-Pin SODIMM DDR3-1333 1GB
SODIMM-DDR3-2GB	204-Pin SODIMM DDR3-1333 2GB
SODIMM-DDR3-4GB	204-Pin SODIMM DDR3-1333 4GB
DDR2-1GB	200-Pin DDR2 SODIMM 1GB
DDR2-2GB	200-Pin DDR2 SODIMM 2GB
3G Module	3G Module with antenna ( for MPX-121MD series only)
Wi-Fi	Wireless LAN Kit, 802.11 b/g/n, RTL8188CUS-BC8-WB
WebCam	Web Camera, resolution 1600x1200, 2M pixel, USB interface