

P101-1F Series

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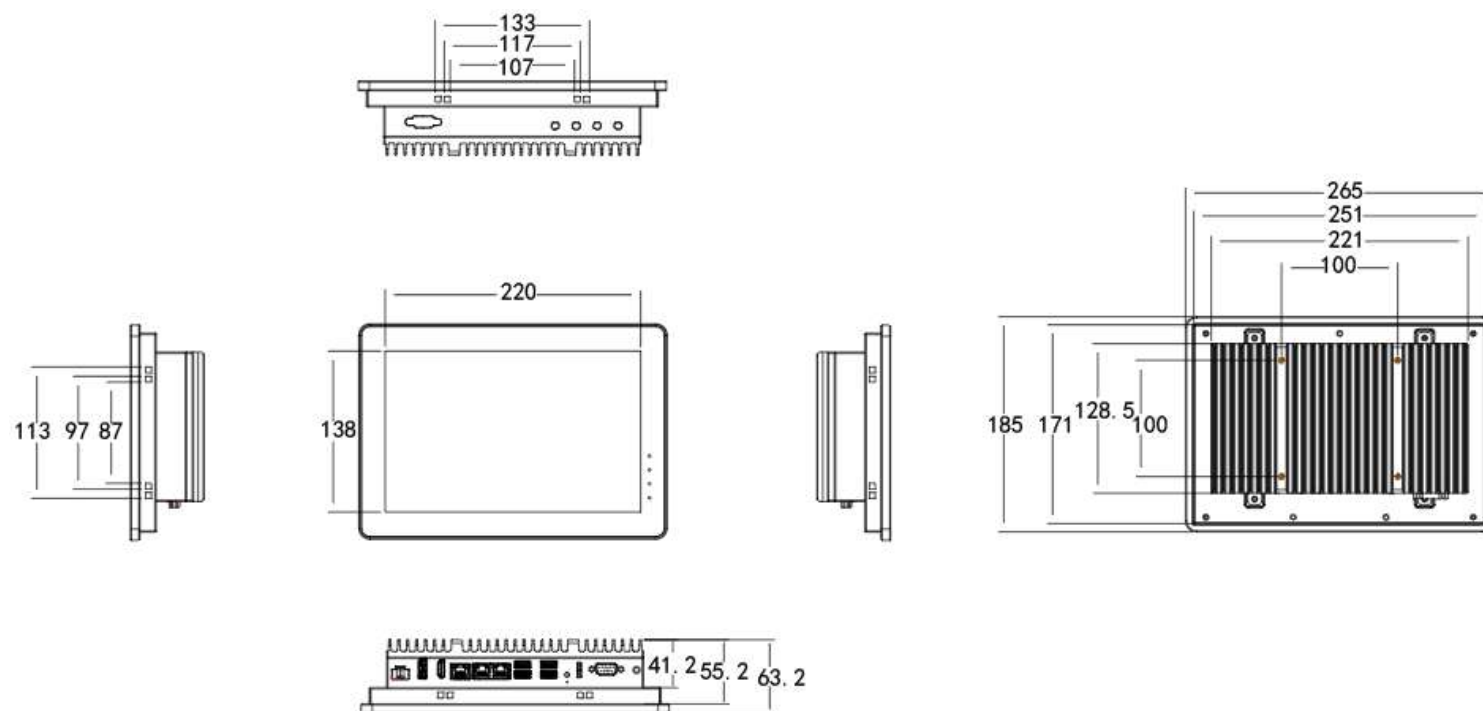
► Product Features

- Industrial grade 10.1 "1280*800 TFT LCD, 30K life, LED backlight
- Full plane with multi-touch projection capacitor control or 5-wire resistance single touch
- Intel® Atom® J6412/ N6210/ X6425E
- Dual channel DDR4 up to 64GB memory
- True flat touch screen with IP65 front panel protection
- Supports 4G/5G, Wi-Fi module expansion
- 3 LAN (2 x Intel i210 supports PoE, 1 x Intel i226)
- 2 USB 3.0, 2 USB 2.0
- 1 RS-232/422/485, 1 RS-232
- DC 9-36V, Optional UPS module
- CE/FCC Class B, ESD 8KV/15KV
- Compact fanless design, aluminum alloy front panel and housing ground protection
- Supports VESA/ Embedded installation
- Windows 10/11, Centos 8, Ubuntu 20.04/22.04

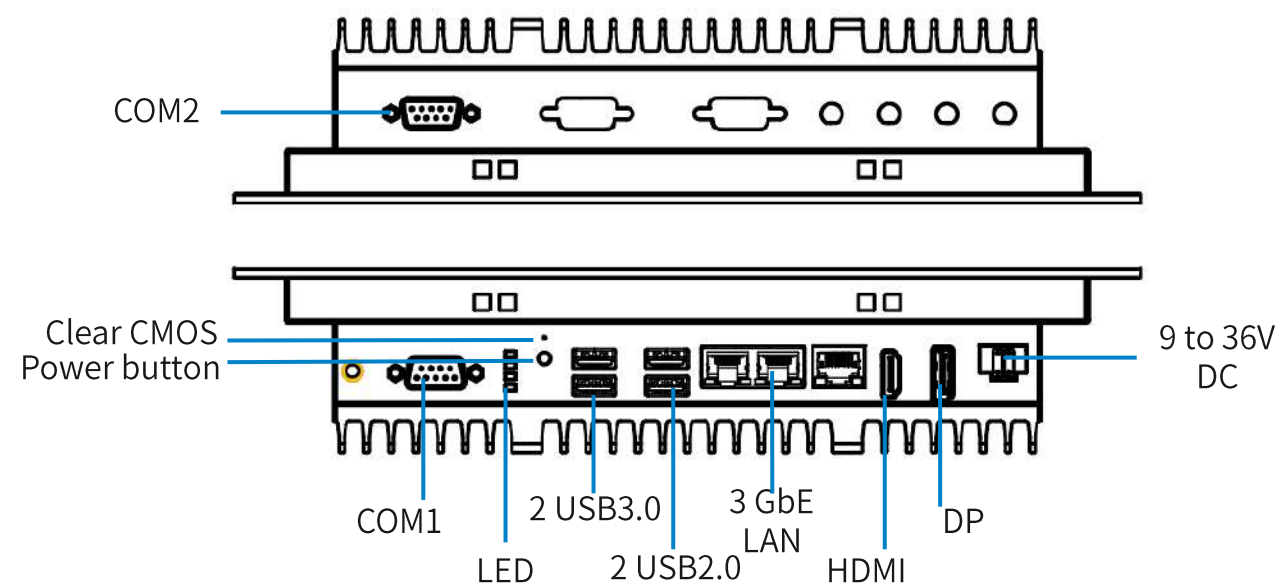
► Technical Specifications

X101F Series			
Processor System	CPU	Intel® Atom® J6412/N6210/X6425E CPU	
	TDP	10W	
	BIOS	AMI 128Mbit SPI Flash	
Graphics	Controller	Intel Gen11 Graphics Engines (SoC integrated)	
	Feature	DX12, OGL4.5, OCL1.2, Vulkan 1.1, MPEG2, H.264, JPEG/MJPEG, H.265 (HEVC)	
Memory	Technology	2 x DDR4	
	Max. capacity	64 GB	
Storage	M.2 M-Key	1 x M.2 2280 SATA3.0	
LCD	Type	WXGA	
	Size	10.1" (16:10)	
	Max. Resolution	1280 x 800	
	Max. Color	16.7M	
	Brightness cd/m²	400	
	View Angle (H/V°)	178°/178°	
	Backlight life	30,000 hrs	
Screen	Capacitive Touch	Contrast Ratio	800: 1
		Light transmittance	≥85%
		Contact	10-point
	Resistive Touch	Type	Projective capacitance
		Lifetime	10 million single touches
		Light transmittance	About 78%
		Resolution	Linear
External I/O	DP	1 x DP1.4, resolution up to 4096 x 2160@60Hz	
	Ethernet	3 LAN (2 x Intel i210 supports PoE, 1 x Intel i226)	
	USB	2 x USB 3.0, 2 x USB2.0	
	Serial Port (Optional)	1 RS-232/422/485, 1 RS-232	
	Power Connector	4-pin Phoenix terminal, supports remote switch	
LED & Switch	LED Indicator	Power, SATA, User-defined 1, User-defined 2	
	Power Button	1 x Power Button	
	Reset	1 x Reset	
Inside Connectors	M.2 E-Key	1 x M.2 2230 supports Wi-Fi (Supports PCIe protocol)	
	M.2 B-Key	1 x M.2 3052 supports 4G/5G	
	SIM	1 x Nano SIM	
	UPS	1 x UPS (Optional)	
Power Supply	Power Input	DC 9-36V ±10%	
	Max. Consumption	60W	
	Power Management	AT/ATX	
Others	Watchdog	Interruption and system reset are programmable for 1 to 255 min/sec	
	TPM	TPM 2.0 (Optional)	
Environment	Operating Temperature	0 to 60 °C(32 to 140°F)	
	Storage Temperature	-40°C to 85°C(-40 to 185°F)	
	Operating Humidity	95% @ 40 °C (Non-condensing)	
	Storage Humidity	95% @ 60 °C (Non-condensing)	
Physical characteristics	Dimension	265 x 185 x 63.2 mm (L x W x H)	
	Weight	2.3 kg	
	Installation	VESA/Embedded	
Certification	EMC	CE, FCC	
OS	OS	Windows 10/11, Centos 8, Ubuntu 20.04/22.04	

Product Dimension



Product Interfaces



Ordering Information

Model	Screen Size	Screen Type	CPU	Turbo Frequency	TDP	Core/Thread	LAN	COM	USB3.0	USB2.0	DP	Power
P101F-1000	10.1"	1280x800Capacitive touch	N6210	3.00 GHz	6.5W	2C/2T	3	2	2	2	1	9 to 36V DC
P101F-1000	10.1"	1280x800Capacitive touch	N6210	3.00 GHz	6.5W	2C/2T	3(2 PoE)	2	2	2	1	9 to 36V DC
P101F-R-1000	10.1"	1280x800Resistive Touch	N6210	3.00 GHz	6.5W	2C/2T	3	2	2	2	1	9 to 36V DC
P101F-R-1000	10.1"	1280x800Resistive Touch	N6210	3.00 GHz	6.5W	2C/2T	3(2 PoE)	2	2	2	1	9 to 36V DC
P101F-2000	10.1"	1280x800Capacitive touch	J6412	2.60 GHz	10W	4C/4T	3	2	2	2	1	9 to 36V DC
P101F-2000	10.1"	1280x800Capacitive touch	J6412	2.60 GHz	10W	4C/4T	3(2 PoE)	2	2	2	1	9 to 36V DC
P101F-R-2000	10.1"	1280x800Resistive Touch	J6412	2.60 GHz	10W	4C/4T	3	2	2	2	1	9 to 36V DC
P101F-R-2000	10.1"	1280x800Resistive Touch	J6412	2.60 GHz	10W	4C/4T	3(2 PoE)	2	2	2	1	9 to 36V DC
P101F-3000	10.1"	1280x800Capacitive touch	X6425 E	3.00 GHz	12W	4C/4T	3	2	2	2	1	9 to 36V DC
P101F-3000	10.1"	1280x800Capacitive touch	X6425 E	3.00 GHz	12W	4C/4T	3(2 PoE)	2	2	2	1	9 to 36V DC
P101F-R-3000	10.1"	1280x800Resistive Touch	X6425 E	3.00 GHz	12W	4C/4T	3	2	2	2	1	9 to 36V DC
P101F-R-3000	10.1"	1280x800Resistive Touch	X6425 E	3.00 GHz	12W	4C/4T	3(2 PoE)	2	2	2	1	9 to 36V DC

Optional Accessories

Part Number	Description
-	Wi-Fi+BT module, M.2 2230 WIFI6 2T2R AW-XB547NF
MF0A000000000016	5G module, M.2 RM500Q-GL Sub-6GHz Worldwide (Excluding the US)
MF0A000000000042	5G LTE module, M.2 RM520NGLAA-M20-SGASA, Worldwide
MF0A000000000066	5G LTE module, M.2 RM500UCNVAA-D10-SNADA EMEA, Asia-Pacific
MF0A000000000036	4G LTE module, M.2 EM05CEFC-128-SGAS, China
82UPS000000000002	Internal UPS module

Packing List

Part Number	Description	Quantity
-	P101-1F Series All-in-One PC	1
MC0A000000000019	All-in-one fixed hook accessories set	1
ZM0A000000000020	Three-plug power cord	1
ZM0A000000000058	24V 2.5A power adaptor with 4-pin Phoenix terminal	1