

IP65 FRONT PANEL PC (Metal-5mm)



12.1" LCD monitor, 1024x768, LED-350nits, Rear OSD, including rear screw/Clamp/VESA Mount, 12VDC-IN w/Adapter with 5 Wire Resistive Touch Screen + MS-98F5 (J1900) / RAM 4GB (0C-70C) SSD 256GB (0C -70C)

MODEL: CPM1210X-J-TR



FEATURES:

- Modularize mechanical design provides flexible product configuration and easy maintenance
- Optional build-in touch screen for interactive application
- Intel® Celeron® Processor J1900
- Embedded Mini-ITX Motherboard with low power, slim and fanless design
- 2 independent displays: LVDS and VGA
- Supports 6xCOMs and 8xUSB 2.0
- Entry level with best-value for choice

SPECIFICATIONS:

Panel	Cell Type / Glass Surface	TFT LCD / Black Anti-Glare, low reflection coating
	Aspect Ratio / Size	4 : 3 / 12.1" viewable diagonal area
	Active Area / Pixel Pitch	245.8(H) x 184.3(V) mm / 0.24(H) x 0.24(V) mm
	Native Resolution / Colors	1024(H) x 768(V) / 16.2 M
	Brightness / Contrast	350 cd/m2 (typ) / 550 : 1
	Response Time	< 25 ms
	Viewing Angle (typical)	H. 160° (- 80° ~ + 80°) , V. 140° (- 70° ~ + 70°)
	Light Source	LED backlight, Long life, 35,000 hrs (typ)
Power	Power Input	12V DC input with adapter
	Power Consumption	35.75 Watt,
Operating Condition	Temperature / Humidity	0°C ~ 50°C (32°F ~ 122°F) , 10% ~ 90% (no condensation)
Dimensions	Physical	Please refer to Drawing
	Carton	W x H x D = TBD

Options	Touch	Video / TV	Enhanced Panel	Others
	Resistive touch	SV + AV	Panel with LED backlight	Digital Signage(Stand alone)
	Capacitive touch	SV + AV + AV_Looping	High brightness panel	Networking Digital Signage
	SAW touch	SV + AV + TV	Wide Temperature	Motion Sensor
	Infrared touch		Sunlight Readable	Light Sensor
	Protected glass			Auto-Dimming

MS-98F5 MB Specifications



919-98F5-101(low profile)



919-98F5-103(low profile)



Processor	CPU	Intel® Celeron® Processor J1900, QC, 10W
	Frequency	J1900, 2.0 GHz, up to 2.42 GHz
	L2 Cache	2 MB
	CPU Type	BGA
	Chipset	Integrated
	BIOS	AMI
Memory	Technology Max.	Dual-channel DDR3L 1333/1066 MHz
	Socket	2 or 1 x 204-pin SO-DIMMs (depends on SKU)
Display	Controller	Intel® HD Graphics
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM
	LVDS	Dual Channel 24-bit (add chrontel 7511B chipset)
	VGA	1
	Multiple Display	2 independent displays
	Display Interface	VGA up to 2560 x 1600 @60Hz LVDS up to 1920 x 1200 @60Hz
Ethernet	Controller	2 or 1 x Realtek® RTL8111G-CG GbE LAN (depends on SKU)
Audio	Controller	Realtek® ALC887 HD Audio Codec
Super I/O	Controller	Fintek F81866AD-I
H/W Monitor	Watchdog Timer	256-level Watchdog Timer
		Yes
TPM	Controller	Pin header
I/O Interface	USB	8 x USB 2.0 (4 x internal; 4 x rear)
	Serial	6 x COM ports (COM1: rear, COM2-6: internal) COM1: RS-232, 0V/5V/12V COM2-6: RS-232, w/o power
	Parallel	1 (Pin header)
	PS/2	1 (Pin header)
	GPIO	8-bits (4 x GPI, 4 x GPO), 3.3V
Expansion Slot	PCIe x1	1
	M.2	N/A
	Mini-PCIe	1 x Full-size (w/ mSATA)
Storage	SATA	1 x SATA 2.0
	mSATA	1
Power Supply	DC	DC-in 12V
	ATX	N/A
Environment	Operating Temperature	0 ~ 60°C
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
	Storage Humidity	10 ~ 90%, non-condensing
Form Factor	Dimensions	170 x 170mm (Mini-ITX)
	Weight	0.37 kg
Certification	EMC	FCC, CE, RCM, VCCI, BSMI
Software Platform	OS Support	Windows 7 (32/64-bit) Windows 8 (32/64-bit) Windows 10 (64-bit)

MECHANICAL DRAWING:

