

Panel Mount LCD

IP65 Front Panel Mount (Metal-3mm)
 19" LCD Monitor, 1280 x 1024, 250nits, VGA Input, Rear OSD, including
 rear screw/Clamp/VESA Mount with 5 Wire Resistive Touch Screen
 and USB Controller +MS-98F5 (J1900) / RAM 4GB (0C~70C) / SSD
 256GB (0C ~70C)

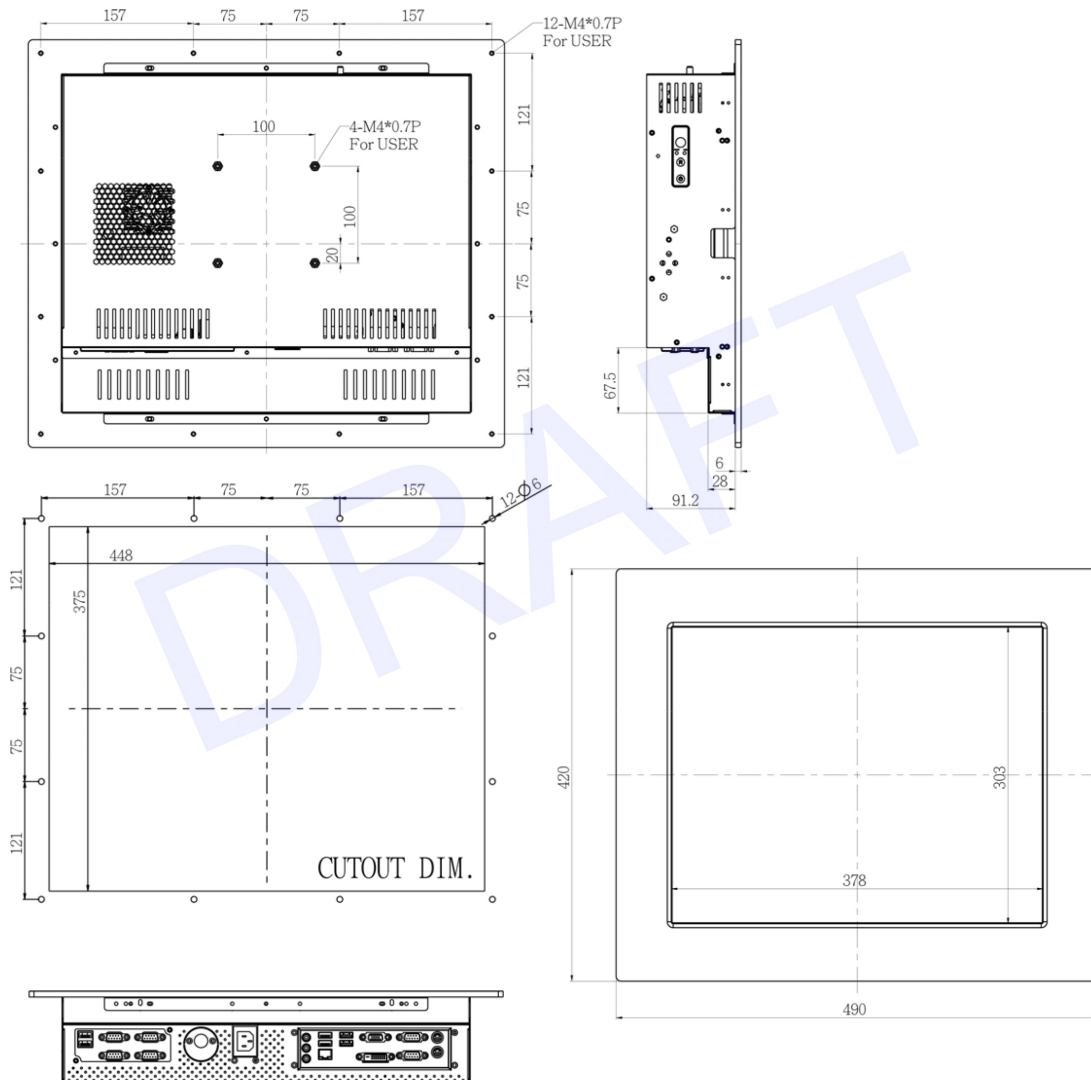


MODEL: CPM1900IP-J-TR

SPECIFICATIONS:

Size	19"
Type	Color Active Matrix TFT LCD
Display Area	378x303mm
Optimum Resolution	1280x1024
Brightness	250 cd/m2 (typ.)
Contrast Ratio	800:1
Viewing Angles	H. 170° (- 85° ~ + 85°) , V. 160°(- 80° ~ + 80°)
Colors	16.7M (6bit + Hi-FRC)
Response Time	5ms
Backlight	White-light LED Backlight
Life	35,000 hours (min.)
Input	VGA

MECHANICAL DRAWINGS:



LCD OPTIONS:



LED Backlight Options

Introducing LED backlight options for monitors for energy efficiency and a brighter screen.



TouchScreen Options

Our LCD has a wide selection option to choose which touchscreen technology suits for you.

	Four-Wire Resistive	Five-Wire Resistive	Pen Touch	Capacitive	Surface Wave(Saw)	Infrared Touch (Ir)
PRODUCT SIZE	1.7" - 24"	10.4" - 24"	15" - 19"	12" - 24"	10.4" - 30"	10.4" - 42"
TOUCH LIFE	1 - 2 million touches	30 - 35million touches	100 million touches	100 million touches	50 million touches	Long-term reliability
SCRATCH RESISTANCE	Hard Coated	Hard Coated	Hard Coated (SiO ²)	Hard Coated (SiO ²)	Glass Overlay Moh's hardness rating of 7	Glass Overlay Moh's hardness rating of 7
CONTAMINANT RESISTANCE	Resists moisture, dirt, vinegar, ammonia based food products and cleansers	Resists moisture, dirt, vinegar, ammonia based food products and cleansers	Resists moisture, dirt, vinegar, ammonia based food products and cleansers	Resists moisture, dirt, vinegar, ammonia based food products and cleansers	Resists moisture, dirt, vinegar, ammonia based food products and cleansers	Resists moisture, dirt, vinegar, ammonia based food products and cleansers
INPUT METHOD	Finger, Gloved Hand, Stylus	Finger, Gloved Hand, Stylus	Stylus Pen	Finger	Finger, Gloved Hand, Soft pliable stylus	Finger, Gloved Hand, Stylus
CONTROLLER	USB, RS232	USB, RS232	USB, RS232	USB, RS232	USB, RS232	USB, RS232



VIDEO Input Options:

For Video inputs options:

DVI, DVI+HDMI, SVideo+AV, SVideo+AV+DVI, AV+Looping, DVI+AV+Looping, HD-SDI, BNC(PAL/NTSC)



Optical Bonding Options

- Optical Bonding provides the best reduction of ambient light washout of any commercially available enhancement technology.
- Optical Bonding has a lower cost than most other competing technologies.
- Optical Bonding offers superior ruggedization, enhancing the display durability under vibration, shock and other environmental extremes.



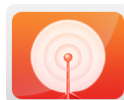
RS-232 Remote Control Options

Remote Control Protocol: Command Code to set system



9-36V DC Input Options

iTech offers a selection of DC input from 9V to 36V



Light Sensor and Motion Sensor Options

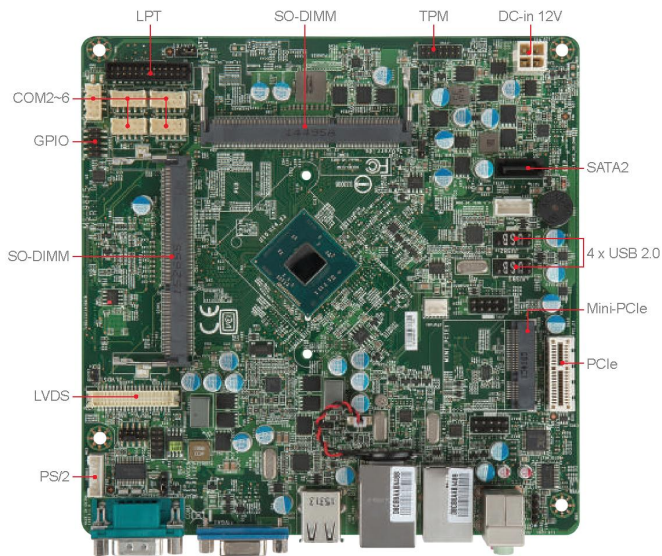
iTech LCD offers Light and Motion Sensor

Privacy Filter

Front Glass Options:

- Anti Reflective AR Glass 3mm
- Anti Reflective AR Glass 6mm Vandal-Resistance
- Anti Reflective AR Glass 8mm Vandal-Resistance
- Anti Glare AG Glass 3mm

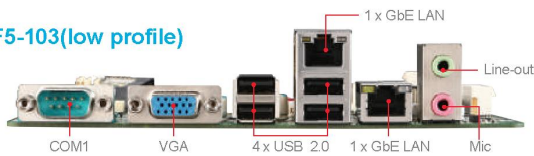
MS-98F5 MB Specifications



919-98F5-101(low profile)



919-98F5-103(low profile)



FEATURES

- Intel® Celeron® Processor J1900 N2930 Quad Core 1.86/2GHz processor (formerly BayTrail)
- 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

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	
		Up to 8GB	
	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-PCle		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)	