PN8M-090T Series

Specifications

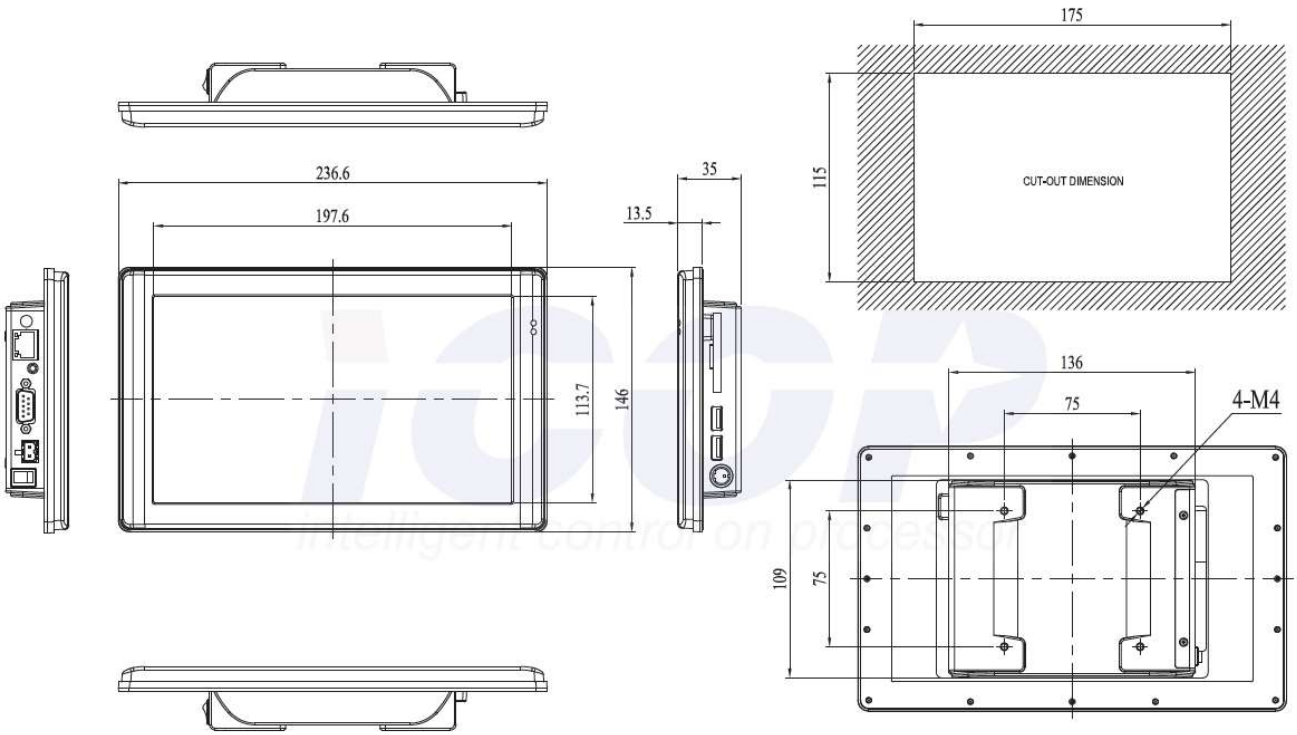
LCD Display	Type	WSVGA TFT-LCD
	Size	9"
	Resolution (Pixel)	1024 x 600
	Brightness	300 cd/m^2
	Touch Screen Type	Analog Resistive
Processor		NXP i.MX8M Mini, Quad-core 1.6GHz ARM Cortex-A53 processor
System RAM		1GB / 2GB / 4GB LPDDR4 Memory onboard
Internal Drives		8GB / 16GB / 32GB / 64GB eMMC onboard & Micro SD Slot
Expansion		MiniPCIe Slot with Micro SIM Card Holder
Wireless Support		WLAN & Bluetooth (Optional)
Ethernet		Integrated 10/100/1000Mbps Ethernet
Audio		WM8960 Stereo, Line-out
Serial Ports		RS232/485 x1 (COM1)
USB Ports		USB2.0 x2
Power Requirement		Single Voltage +5VDC (Version: 5A) / Multi-Voltage +8~+35VDC (Version: 8A)
Operating Temperature		0˚C to +60˚C / -20˚C to +70˚C (Optional)
Storage Temperature		-30˚C to + 80˚C
Operating Humidity		0% ~ 90% Relative Humidity, Non-Condensing
Dimension (W x H x D) mm		236.6 x 146 x 35
OS Support		Yocto Linux (Default) & Android (Coming Soon)
Certificate		CE, FCC, VCCI, NOM, Shock, Vibration, IP65 (Front Panel)

Ordering Information

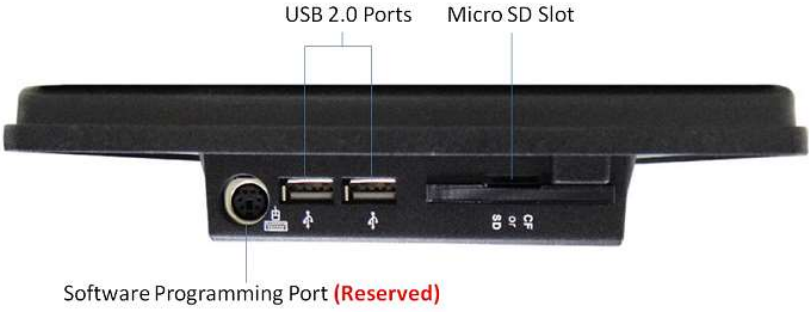
Part Number	Description
PN8M-090T-8A-B5GM	PN8M-090T with i.MX8M Mini (Quad Core 1.6GHz), 2GB of LPDDR4, 16GB eMMC MLC, Wifi&BT and DC+8~35V
PN8M-090T-8A-N5GM	PN8M-090T with i.MX8M Mini (Quad Core 1.6GHz), 2GB of LPDDR4, 16GB eMMC MLC and DC+8~35V.
PN8M-090T-8A-B5G**S**	PN8M-090T with i.MX8M Mini (Quad Core 1.6GHz), 2GB of LPDDR4, 16GB eMMC **SLC**, Wifi&BT and DC+8~35V.
PN8M-090T-8A-N5G**S**	PN8M-090T with i.MX8M Mini (Quad Core 1.6GHz), 2GB of LPDDR4, 16GB eMMC **SLC**, DC+8~35V.
PN8M-090T-8A-B4FM	PN8M-090T with i.MX8M Mini (Quad Core 1.6GHz), 1GB of LPDDR4, 8GB eMMC MLC, Wifi&BT and DC+8~35V.
PN8M-090T-8A-N4FM	PN8M-090T with i.MX8M Mini (Quad Core 1.6GHz), 1GB of LPDDR4, 8GB eMMC MLC, DC+8~35V.
PN8M-090T-5A-B5GM	PN8M-090T with i.MX8M Mini (Quad Core 1.6GHz), 2GB of LPDDR4, 16GB eMMC MLC, Wifi&BT and DC+5V.
PN8M-090T-5A-N5GM	PN8M-090T with i.MX8M Mini (Quad Core 1.6GHz), 2GB of LPDDR4, 16GB eMMC MLC and DC+5V.
PN8M-090T-5A-B5G**S**	PN8M-090T with i.MX8M Mini (Quad Core 1.6GHz), 2GB of LPDDR4, 16GB eMMC **SLC,** Wifi&BT and DC+5V.
PN8M-090T-5A-N5G**S**	PN8M-090T with i.MX8M Mini (Quad Core 1.6GHz), 2GB of LPDDR4, 16GB eMMC **SLC** and DC+5V.

PN8M-090T Series

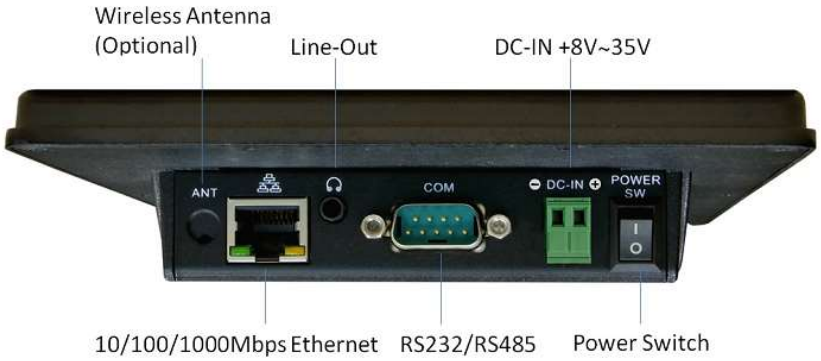
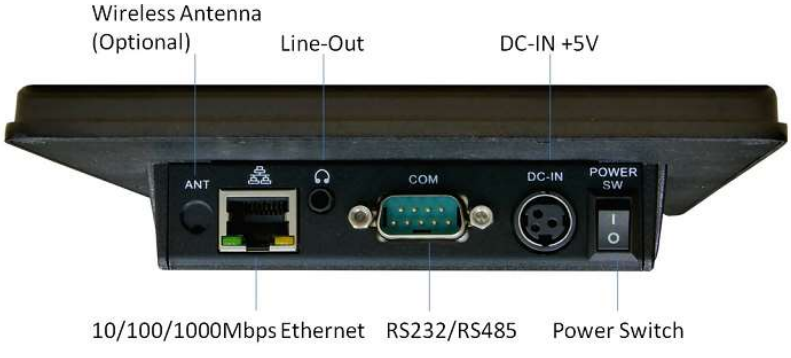
Dimension



Overview



PN8M-090T-8A Series:



PN8M-090T-5A Series: