

### Features

- 7" ARM Based HMI
- NXP i.MX8M Plus Quad, 4 x Cortex-A53 processor
- Onboard 4GB LPDDR4 DRAM
- Onboard 16GB eMMC Flash
- Fanless Design
- Flat Front Panel Touch Screen
- DC 24V Power Input

### Specifications

System	
Processor	NXP i.MX8M Plus Quad, 4 x Cortex-A53 up to 1.6GHz
Memory	Onboard 4GB LPDDR4 SDRAM

External IO Port	
USB	1 x USB 3.0/ USB2.0, via Vertical USB type A port 1 x USB Download Mode via Micro USB port
Serial Port & CAN Bus	1 x Pitch 3.5 mm 2 x 5-pin Terminal Block with 1 x RS-232(RX,TX,RTS,CTS)/ 2W RS-485(D+,D-), select via jumper 1 x 2W RS-485(D+,D-) 1 x CAN bus 2.0b (CAN_H,CAN_L)
LAN	2 x GbE LAN *LAN1 Support PoE (optional)
Wireless Communication (optional)	4G LTE WiFi/ Bluetooth

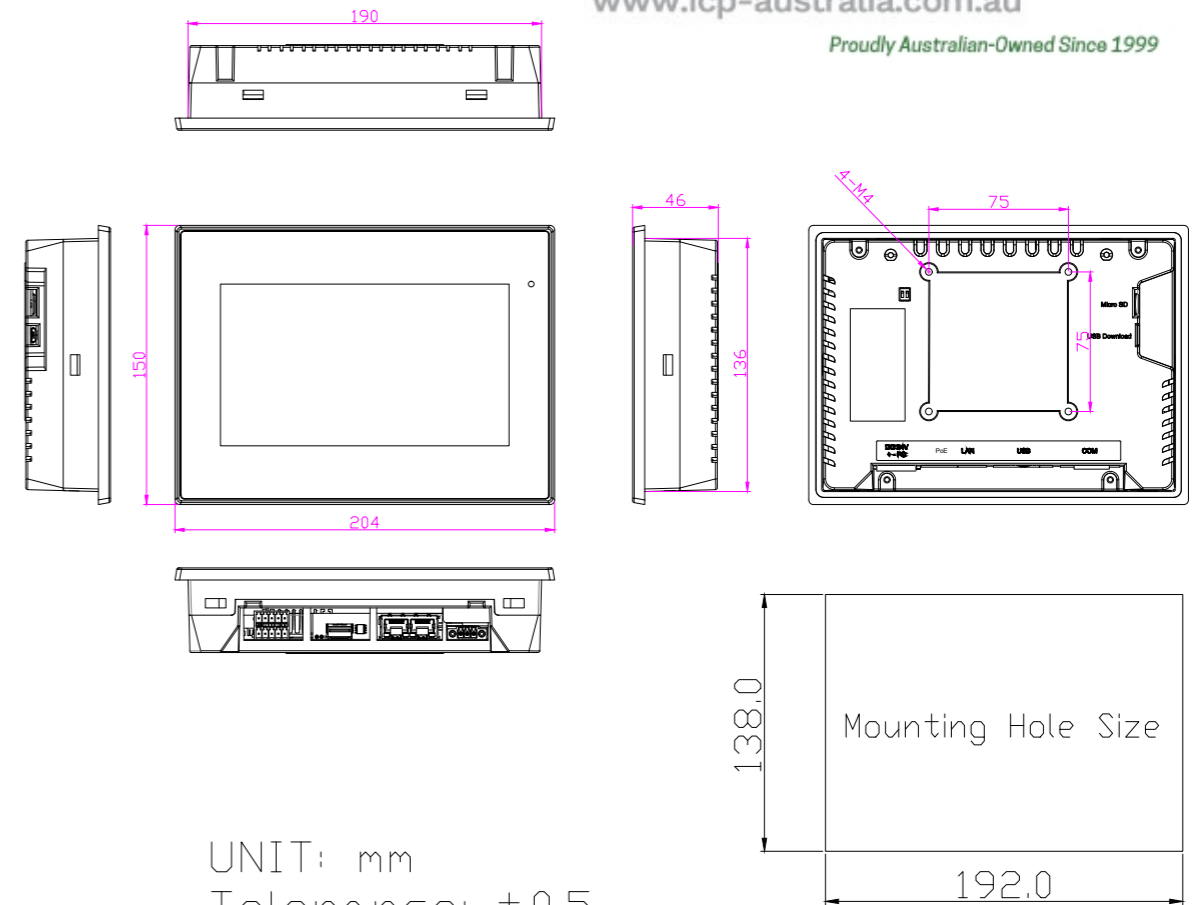
Storage Space	
Storage	Onboard 16GB eMMC Flash 1 x Micro SD slot

Display	
Display Type	7" TFT-LCD
Max. Resolution	800 x 480
Max. Color	262K
Luminance (cd/m <sup>2</sup> )	400
View Angle	140(H)/140(V)
Contrast	500:1
Backlight Lifetime	20,000 hrs

Touch Screen	
Type	Projected Capacitive Touch
Interface	USB
Light Transmission(%)	Around 90%

Power	
Power Input	DC 24V
PoE Input (optional)	Support PoE+ (IEEE 802.3AT) Power Device

### Dimensions



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Mechanical	
Construction	Engineering Plastic
Mounting	Panel Mount, VESA 75 x 75
IP Rating	IP65 Compliant Front Bezel
Dimensions	150 x 204 x 46 mm
Net Weight	0.8 kg

Environmental	
Operating Temperature	0~50°C/ -20~60°C (option)
Storage Temperature	-30~70°C
Humidity	10 to 95% @ 40°C, non- condensing
Vibration	1G/ 5~500Hz (Random) / operation
Shock	15G Peak Acceleration (11 msec. duration) / operation
Certificate	CE/FCC Class A, UKCA, RoHS 2.0/ REACH

Operating System Support	
Android 11, Yocto Linux 4.0 (Kirkstone)	