

R05FA3S-IPD1

5.7" NXP i.MX6 Front IP65 touchscreen panel



KEY FEATURES

- 5.7" 640 x 480 TFT LCD with resistive touch screen, IP65 touchscreen panel
- NXP i.MX6 Dual Core 1 GHz (Optional Quad Core)
- 1 x USB 2.0, 1 x RS232/422/485, 1 x Micro SD Slot
- Onboard LPDDR3 1 GB (Optional 2 GB)
- Onboard 16 GB eMMC Flash
- 1 x USB 2.0, 1 x RS-232/422/485, 1 x Micro SD Slot, 1 x Mini USB, 1 x Micro HDMI (Optional)
- PoE function (Optional)
- Fanless and ultra-low power consumption

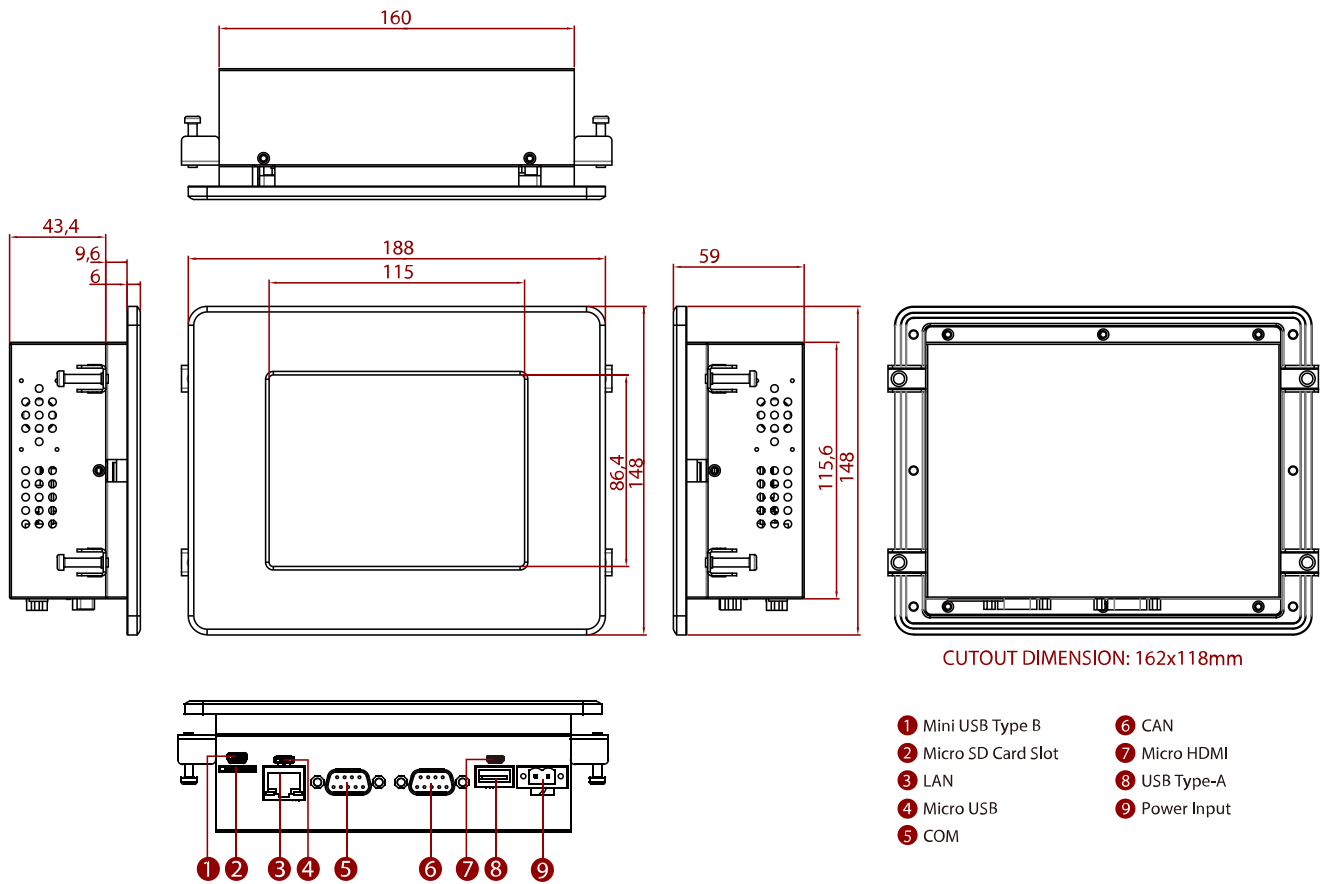


SPECIFICATIONS

System Specification			
Processor	NXP i.MX6 Dual Core, 1.0GHz	Memory	1GB 2GB (Optional)
Storage	eMMC: Onboard 16 GB eMMC: Onboard 32 GB (Optional)	Operating System	Linux Ubuntu 18.04 (Optional) Android 6.0 (Optional) Debian 7.0 (Optional) Linux 4.1.15 QT 5.5 (Optional)
WLAN	Support (Optional)	BT	Support (Optional)
Display			
Resolution	640x480	Size	5.7 inches
Contrast Ratio	300:1	Panel Brightness	900.0 nits
View Angles	70,70,40,60	Active Area	115.2x86.4 mm
Touch / Glass	Resistive Touch Screen (Optional) Protection Glass Without Touch Function (Optional)		
Mechanical			
Dimension	188 x 148 x 59 mm	Mounting	Panel mount VESA Mount
Enclosure	Metal Housing	Cooling System	Fanless design
Cut out	162 x 118mm		
Environment			
Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to 60°C	IP rating	Front IP65
Certification			
Certification	CE, FCC		
IO Ports			
Power Input	1 x 12V DC, 2-Pin Terminal Block	USB Port	1 x Console Port (Mini USB) 1 x USB OTG 1 x USB2.0 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232)	SD Card Slot	1 x Micro SD card slot

Video	1 x Micro HDMI (Optional)	Audio	2 x Speaker
Expansion Port	1 x mPCIe slot(for half size Wifi module)	LAN	1 x LAN RJ45 Connector with PoE(PD, 802.3 at)
CANBUS	1 x CANBUS, D-sub9		
Accessory			
Accessory	100~240V AC to DC Adapter Power Cord VESA screws Mounting clips		
Power			
Power Rating	12V DC	Adapter	12V 50W
POE	PoE (PD): follows IEEE 802.3at (25 W)		

DIMENSIONS UNIT:MM



NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.