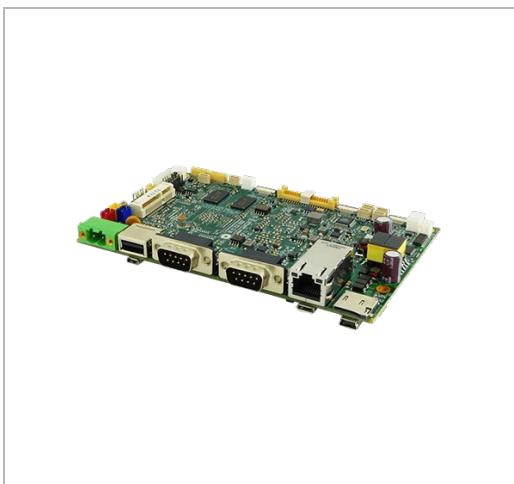


FA30

NXP i.MX6 Dual Core ARM Embedded Board



KEY FEATURES

- 3.5" Form Factor (146mm x 101mm)
- NXP i.MX6 Dual Core 1GHz
- Upgradeable to Quad Core or 2GB RAM (Optional)
- Android 6.0 , Linux 4.1.15 QT 5.5 (Optional), Ubuntu 16.04 (Optional)
- 1 x micro SD/SDHC Card Slot
- Built-in 16GB eMMC
- Power Over Ethernet (PoE) Support (Optional)
- 1 x Micro-HDMI Output



SPECIFICATIONS

System Specification			
Processor	NXP i.MX6 Dual Core, 1.0GHz	Memory	1GB 2GB (Optional)
Storage	Onboard 16GB eMMC Onboard 32GB eMMC (Optional)	Operating System	Linux Ubuntu 18.04 (Optional) Android 6.0 (Optional) Debian 7.0 (Optional) Linux 4.1.15 QT 5.5 (Optional)
IO Ports			
Power Input	1 x 12V DC, 2-Pin Terminal Block	USB Port	1 x Console Port (Mini USB) 1 x USB OTG (Micro USB) 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)	LAN	1 x LAN RJ45 Connector with PoE(PD, 802.3 at)
CANBUS	1 x CANBUS, D-sub9		
Internal IO Ports			
Power output	1 x 2pin(1x2) blue wafer for 3.3V DC out 1 x 2pin(1x2) red wafer for 5V DC out 1 x 2pin(1x2) yellow wafer for 12V DC out	USB	5 x 4pin(1x4) for USB 2.0
UART	2 x 8pin(1x8) for UART 1 x 6pin(1x6) for debug	Display	1 x 40pin DF13 connector for LVDS
Backlight	1 x 7pin(1x7) for panel backlight 1 x 2pin(1x2) for backlight	DIDO	1 x 10pin(2x5) for Digital input/output
VR	1 x 3pin(1x3) for Backlight control VR	Speaker	2 x 2pin(1x2) for Speaker
Backup battery	1 x 2pin(1x2) for RTC battery	Audio	1 x 2pin(1x2) for Microphone
Reset	1 x 4pin(1x4) for Reset	CAN2	1 x 4pin(1x4) for CAN2
I2C	1 x 12pin FPC connector for NFC 1 x 10pin FPC connector for Touch		
Certification			
Certification	CE, FCC		
Mechanical			
Dimension	146 x 102 mm		
Environment			
Operating Humidity	30% to 90% (non-condensing)	Operating	-20~60°C

Temperature

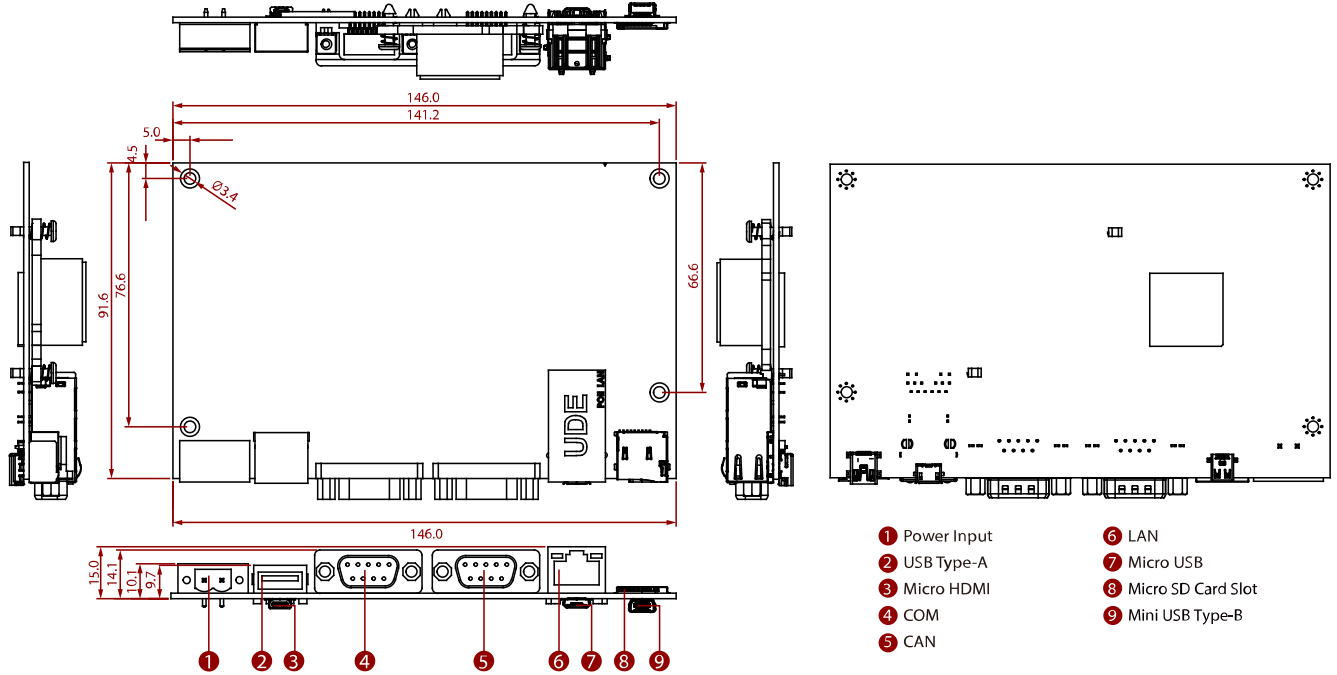
Storage Temperature -25~65°C

Power

Power Rating	12V DC	Adapter	12V 50W
POE	PoE (PD): follows IEEE 802.3at (25 W)		

DIMENSIONS UNIT:MM

Winmate Embedded Board FA30



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.