IQ30
Qualcomm Single Board Computer

KEY FEATURES

- 3.5" Form Factor (146 mm x 102 mm),qualcomm single board computer
- Qualcomm® Snapdragon™ 660 octa-core, 2.2 GHz CPU
- Integrated LVDS, eDP (Optional)
- 3GB LPDDR4 (Optional 4GB), 32GB eMMC
- Rear IO Supports 1 x COM, 2 x USB 2.0, 1 x USB Type C, 1 x LAN ,1 x SD slot
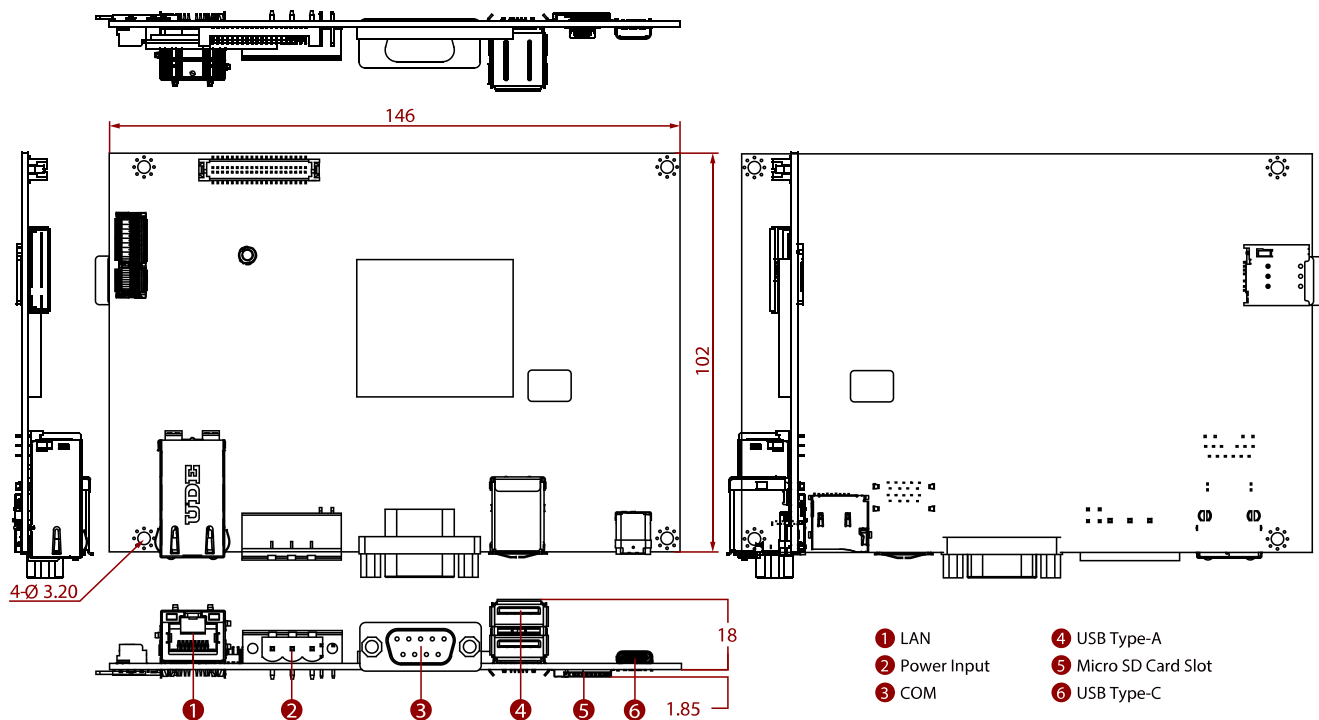- Qualcomm single board computer

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SPECIFICATIONS

System Specification

Processor	Qualcomm Snapdragon™ 660 octa-core, 2.2 GHz CPU	**Memory**	3GB LPDDR4
Storage	32GB eMMC	**Operating System**	Android 9.0
WLAN	Wi-Fi a/b/g/n/ac	**BT**	BT Support
WWAN	4G/LTE (Optional)		

Mechanical

Dimension	146 x 102 mm

Certification

Certification	CE, FCC

Accessory

Accessory	Manual & Driver CD

IO Ports

USB Port	2 x USB 2.0 Type A, 1 x USB Type-C	**Serial Port**	1 x RS232/422/485(Full COM)
SD Card Slot	1 x Micro SD Card Slot	**SIM Card Slot**	1 x Micro SIM Card Slot
Video	1 x Micro HDMI (Optional)	**LAN**	1 x LAN(USB to LAN AX88178A) PoE at/af (Optional)

Power output	1 x 5V output (2 Pin Waffer) 1x 3.3V output (2 Pin Waffer)	**USB**	3 x USB 2.0 (2x4 Waffer/per) 2 x USB 2.0 Touch (FFC Connector)
UART	2 x Light BAR / 1x4-pin with UART 1 x UART (TX, RX, 3.3V, GND)	**Serial port**	1 x 10 Pin COM Port (Full COM RS232, 5V)
Display	1 x LVDS (DF13/FPC) 1 x EDP (15 Pin Waffer)	**Backlight**	2 x Backlight waffer(5V/3.3V)
SATA	1 x M.2 (PCIe Signal With USB)	**DIDO**	1 x 14 Pin DIDO (6 DI, 6 DO, GND, 5V)
OSD	1 x GPIO for 5 key OSD (6 Pin Waffer) 1 x GPIO For Membrane OSD (2x5 Waffer)	**Speaker**	2 x Speaker (L/R, 2 Pin Waffer)
Backup battery	1 x RTC Battery	**Audio**	2 x DMIC (4 Pin Waffer/Per) 1 x Analog MIC (2 Pin Waffer)
BIOS debug	1 x Debug Port (6 Pin Waffer)	**CANBus**	1 x 4 Pin Waffer CANBus With Isolation (CANH, CANL, 5V)
I2C	1 x I2C	**ANT**	3 x ANT (Wi-Fi, BT, NFC)

Switch	1 x SW1 (SW Burnning Switch)
Power	
Power Rating	12V DC with Terminal Block

DIMENSIONS UNIT:MM

146

102

4-Ø 3.20

18

1.85

❶ LAN	❹ USB Type-A
❷ Power Input	❺ Micro SD Card Slot
❸ COM	❻ USB Type-C

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.