

IB32S

Intel® Celeron® N2930 x86, 3.5 inch single board computer



KEY FEATURES

- 3.5" Form Factor (146mm x 102mm / 5.7 x 4 inches)
- Intel® Celeron® Bay Trail-M N2930, Embedded motherboard
- System memory DDR3L 1600, SO-DIMM Max 8GB
- Intel® HD Graphics Engine
- 2 x Giga LAN, one with PoE function
- 1 x USB 3.0, 1 x USB 2.0, 1 x RS232/422/485
- 3.5 inch single board computer



SPECIFICATIONS

System Specification			
Processor	Intel® Celeron® N2930 (2M Cache, up to 2.16 GHz)	Memory	1 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB (Optional)
Storage	1 x M.2 2242 B-key SSD 64GB. M.2 2242 B-key SSD up to 512GB. (Optional)	Ethernet controller	2 x Intel® Gigabit Ethernet Controller
Operating System	Windows 7 Embedded Systems (Optional) Windows 10 IoT Enterprise (Optional) Linux Ubuntu 18.04 (Optional)		
IO Ports			
Power Input	1 x 12V DC, 3-Pin Terminal Block	USB Port	1 x USB3.0 (Type-A) 1 x USB2.0 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232)	Video	1 x VGA (Optional)
LAN	2 x Giga LAN RJ45 Connector, One with PoE(PD, 802.3at)(Optional)		
Internal IO Ports			
Power input	1 x 3pin Terminal Block	Power output	1 x 2pin(1x2) red wafer for 5V DC out
USB	1 x 8pin(2x4) for 2 x USB 2.0 1 x 4pin(1x4) for 1 x USB 2.0 1 x FPC connector(CN8) for touch screen	UART	1 x 6pin(1x6) for UART
Display	1 x 40pin DF13 connector Co-lay for LVDS and eDP 2 x 40pin FPC connector Co-lay for LVDS(CON3, CON4) (Optional) 1 x 10pin FFC connector for VGA (Optional)	Backlight	1 x 7pin(1x7) for panel backlight
DIDO	1 x 14pin(2x7) for Digital input/output	VR	1 x 5pin(1x5) MCU debug port
OSD	1 x 10pin(2x5) for OSD control	Speaker	2 x 2pin(1x2) for Speaker
Backup battery	1 x 2pin(1x2) for RTC battery	Audio	1 x 4pin(1x4) for Digital Mic
BIOS debug	1 x 20pin(2x10) for LPC debug		
Certification			
Certification	CE, FCC		
Mechanical			
Dimension	146 x 102 mm		
Environment			
Operating Humidity	60 °C @ 95% RH, (non-condensing)	Operating	0~60°C

Temperature

Storage Temperature -40~70°C

Accessory

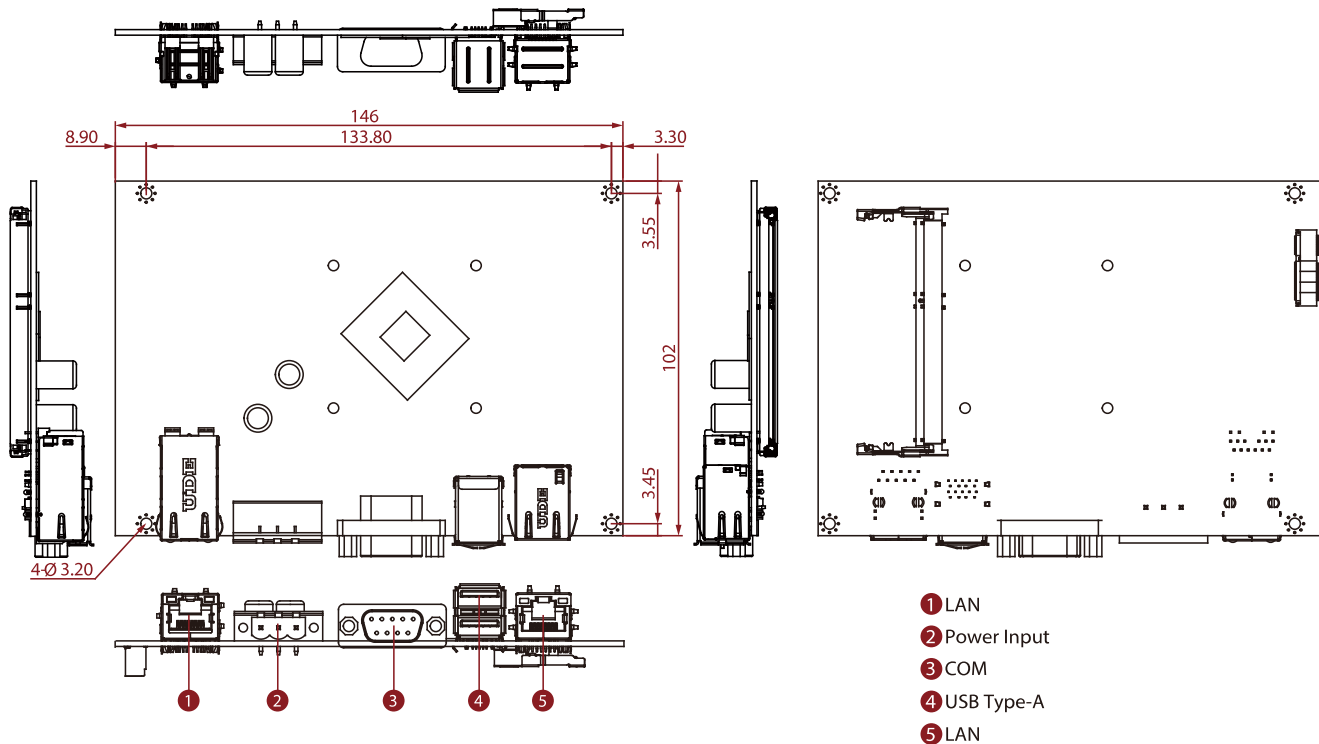
Accessory Manual & Driver CD

Power

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

DIMENSIONS UNIT:MM

Winmate 3.5 inch single board computer



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.