

IB70

Intel® Celeron® N2930 Mini-ITX Embedded Board



KEY FEATURES

- Intel® Celeron® Bay Trail-M N2930 1.83GHz Processor
- Mini ITX Form Factor, industrial sbc design
- DDR3L 1066MHz dual-channel SO-DIMM supported up to 8GB
- 12V DC Power Input
- Integrated VGA, Dual-Channel 24-bit LVDS, eDP(Optional),HDMI(Optional)
- Supports 1xSATA II, 4xCOM, 1xUSB 3.0, 7xUSB 2.0 12-Pin GPIO Connector, 2xMini PCIe Slot



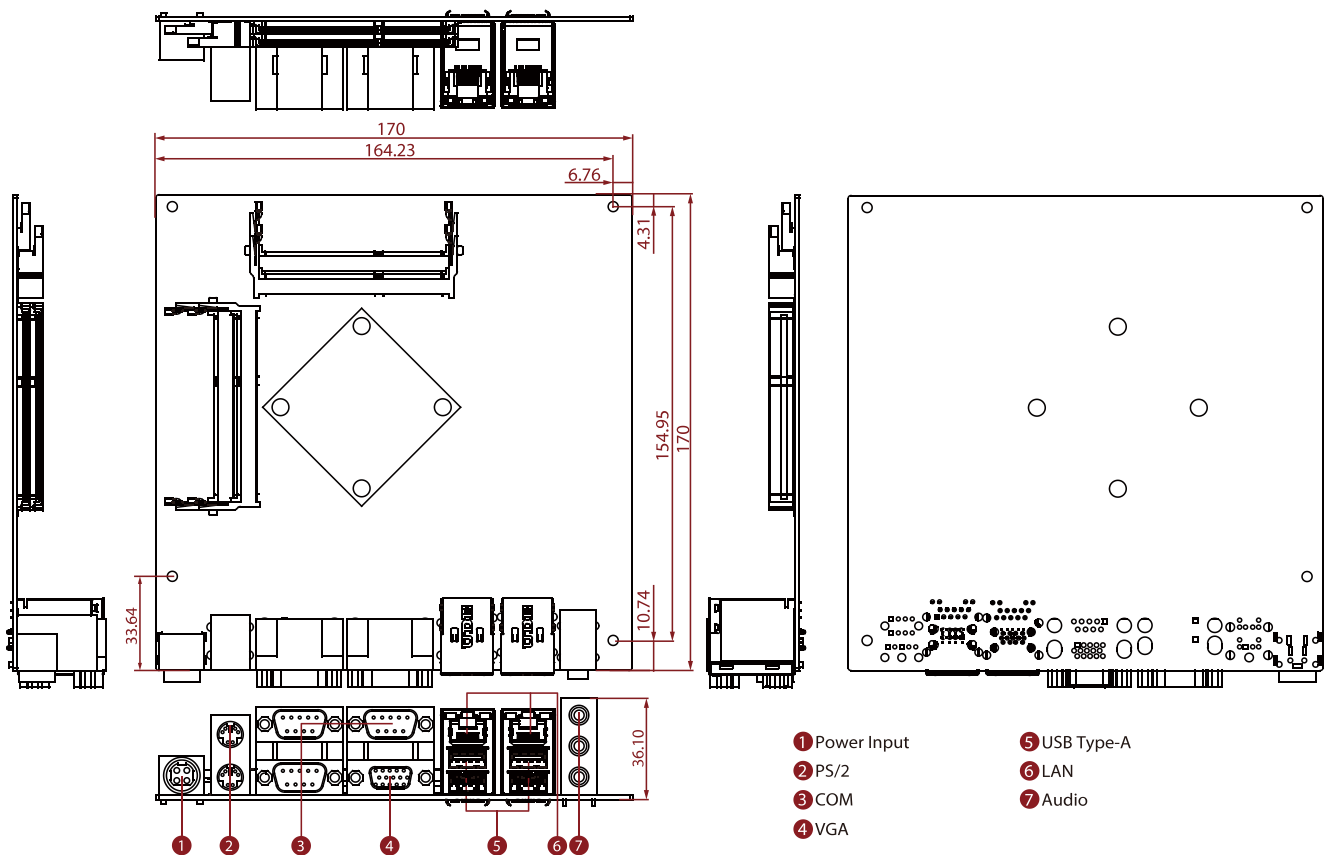
SPECIFICATIONS

System Specification	
Processor	Intel Celeron N2930 1.83GHz (up to 2.16GHz)
Storage	1 x mSATA SSD 128GB mSATA SSD up to 512GB (Optional) 1 x SATA II for 2.5" HDD (Optional)
Operating System	Windows 7 Embedded Systems (Optional) Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 20.04 (Optional)
Memory	2 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB (Optional)
Ethernet controller	2 x Intel® Ethernet Controller
IO Ports	
Power Input	1 x 12V DC, Din4 pin connector
Serial Port	1 x RS232/422/485 (Default RS232) 2 x RS232
Audio	Mic in Line in Line out
PS/2	2 x PS/2
USB Port	1 x USB3.2 Gen1x1 (Type-A) 3 x USB2.0 (Type-A)
Video	1 x VGA
LAN	2 x Giga LAN RJ45 Connector
Internal IO Ports	
Power input	1 x 4pin(2x2) for 12V DC in
Power output	1 x 2pin(1x2) blue wafer for 3.3V DC out 2 x 2pin(1x2) red wafer for 5V DC out 1 x 2pin(1x2) yellow wafer for 12V DC out
USB	2 x 8pin(2x4) for 4 x USB 2.0
Serial port	1 x 10pin(2x5) for RS232
Display	1 x 40pin DF13 connector for LVDS 1 x 30pin DF13 connector for eDP (Optional) 1 x 18pin FFC connector for HDMI (Optional)
Backlight	1 x 7pin(1x7) for panel backlight
SATA	1 x SATA II 1 x 8pin(2x4) for SATA power
DIDO	1 x 14pin(2x7) for Digital input/output
VR	1 x 3pin(1x3) for Digital panel backlight brightness control 1 x 5pin(1x5) VRD debug port
Fan	1 x 3pin(1x3) for CPU Fan 1 x 3pin(1x3) for System Fan
OSD	1 x 10pin(2x5) for OSD control
Speaker	2 x 2pin(1x2) for Speaker
LPT	1 x 20pin(2x10) for Parallel Port(LPT)
Backup battery	1 x RTC battery holder
BIOS debug	1 x 10pin(2x5) for LPC debug
Certification	
Certification	CE, FCC

Mechanical			
Dimension	170 x 170 mm		
Environment			
Operating Humidity	30% to 90% RH, Non-Condensing	Operating Temperature	-20°C to 60°C
Storage Temperature	-25°C to 65°C		
Accessory			

Optional Accessory Driver CD & Manual (Optional)
Adapter (Optional)

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.