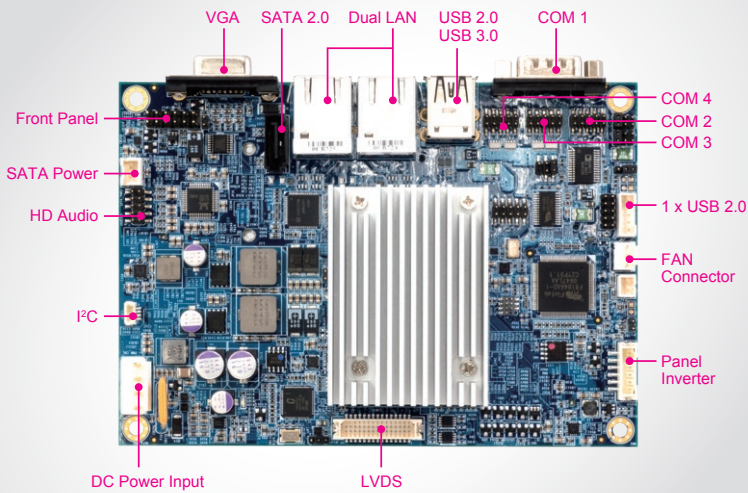


BE-0961

3.5" SBC Intel® Celeron® N2930 / N2807 / Atom® E3800 Series SoC / Dual LAN



Features



- Intel® N2930 / N2807 / E3800 series SoC
- Wide temperature (-40°C to 85°C) for E3900 series
- 2 x LAN, 3 x USB, 4 x COM, 1 x I²C
- 1 x CFast
- 1 x half-sized mPCIe & 1 x half-sized mSATA

Specifications

System

CPU Support	Intel® Celeron® N2930: 7.5w, 4C, 2.16GHz Intel® Celeron® N2807: 4.3w, 2C, 2.16GHz Intel® Atom® E3815: 5w, 1C, 1.46GHz Intel® Atom® E3825: 6w, 2C, 1.33GHz Intel® Atom® E3845: 10w, 4C, 1.91GHz
Chipset	Intel® SoC
Memory Support	1 x SO-DIMM socket, supporting 1067MHz DDR3L up to 4G (non-ECC) N2930/E3845/E3827 support up to 1333MHz DDR3L
BIOS	AMI BIOS
API/SW/FW	Watchdog API/utility, selectable timer: 1~255 seconds
Power Supply	DC In 12V only
Dimensions	102 x 145 mm (4.02" x 5.71")
Certifications	FCC / CE
O.S. Support	Windows 10 32/64bit / Windows 8.1 32/64bit Windows 7 32/64bit / Ubuntu 14.04

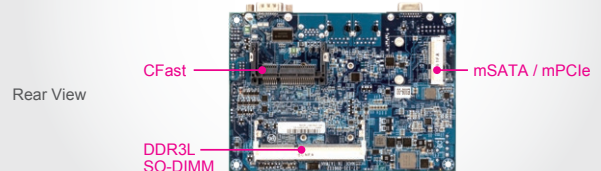
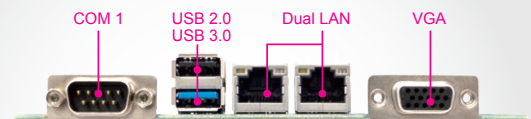
Graphics

VGA	1 x VGA (rear I/O), up to 2560 x 1600 @60Hz
LVDS	800 x 600 18bit LVDS (Other resolutions are available with customized BOM, up to 1920 x 1200 24bit.)

Environment

Operating Temp.	0°C~60°C (32°F~140°F) for N2807/N2930 SoC SKU -40°C~85°C (-40°F~185°F) for E3825 SoC SKU -30°C~85°C (-22°F~185°F) for E3815 SoC SKU
Storage Temp.	-40°C~85°C (-40°F~185°F)
Humidity	Operation humidity 20%~90%, storage humidity 20%~95%

I/O Panel View



I/O Ports

SATA Interface	SKU A: 1 x SATA II (3.0Gb/s) SKU B: no SATA port
Serial Ports	4 ports COM 1: RS232 (rear I/O) COM 2: RS232/422/485 (pin header), selectable by jumper COM 3: RS232 (pin header) w/ RI/5V/12V, selectable by jumper COM 4: RS232 (pin header) w/ RI/5V/12V, selectable by jumper
LAN	Dual LAN (2 x RJ45 on rear I/O) Supports Wake-On-LAN Controller: 2 x Intel® I210-IT/AT (10/100/1000 Mbps)
Audio	Mic In / Line In / Line Out (pin header) Codec IC: Realtek ALC888 (high definition codec)
USB	3 ports 1 x USB 2.0 (internal wafer) 1 x USB 3.0 (rear I/O) 1 x USB 2.0 (rear I/O)
Expansion Bus	1 x half-sized mPCIe & 1 x half-sized mSATA

* All information contained in this document is subject to change without prior notice. Please log on www.protech.com.tw to acquire latest information. For detail mechanics drawing, please contact our sales.