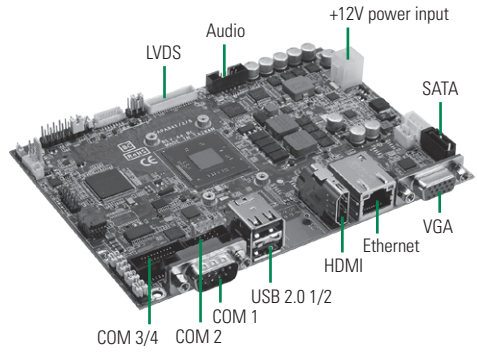
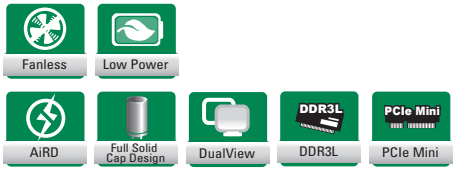
CAPA848

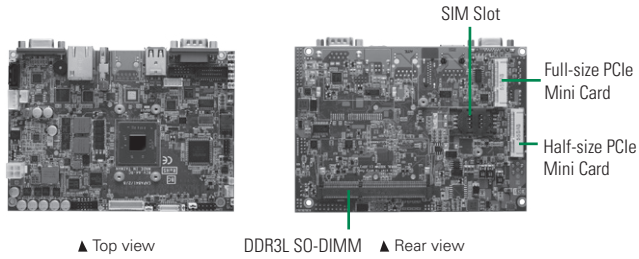
3.5" Embedded SBC with Intel® Celeron® Processor N2807, LVDS/VGA/HDMI, LAN and Audio

Features

- Intel® Celeron® processor N2807 (1.58 GHz)
- 1 DDR3L-1333 SO-DIMM, up to 8GB
- 4 USB 2.0 ports
- 4 COM ports
- 2 PCI Express Mini Card and 1 SIM slot
- Gigabit Ethernet port
- LVDS/VGA/HDMI with dual view supported







Core System

CPU	Intel® Celeron® processor N2807 1.58 GHz dual core onboard (Bay Trail)
System Memory	1 x 204-pin DDR3L-1333 SO-DIMM, up to 8GB
Chipset	SoC Integrated
BIOS	AMI
SSD	N/A
Watchdog Timer	255 levels, 1 ~ 255 sec.
Expansion Interface	1 x Full-size PCI Express Mini Card with mSATA 1 x Half-size PCI Express Mini Card 1 x SIM slot
Battery Lithium	Lithium 3V/220mAH
Power Input	2 x 2-pin connector +12V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Celeron® N2807 @ 1.58 GHz, 8GB DDR3L Max. RMS. +12V @ 0.64A
Size	146 x 104 mm
Board Thickness	1.6 mm
Temperature	-20°C ~ +70°C (-4°F ~ +158°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	2 x RS-232/422/485 2 x RS-232
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i211AT
Audio	HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels IN/OUT programmed

Display

Chipset	Intel® HD Graphics
Memory Size	Share System Memory
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single/dual channel 1 x HDMI

Packing List

Standard
Quick installation guide, user's manual/utility CD

Ordering Information

Standard	
CAPA848VHGA-N2807 (P/N: E38E848100)	3.5" Embedded SBC with Intel® Celeron® processor N2807 1.58 GHz, VGA/LVDS/HDMI, 1 GbE LAN and audio

Cable	
59382620000E	1 x COM w/ bracket, P=2.0 mm, L=300 mm
59384500100E	Audio cable w/ bracket, P=2.0 mm, L=450 mm
59382631000E	2 x USB 2.0 wafer cable w/ bracket, 180 mm
59380000300E	2 x COM w/bracket, P=1.27 x 2.54, L=300 mm

Updated Jun. 26, 2017. * All specifications and photos are subject to change without notice.