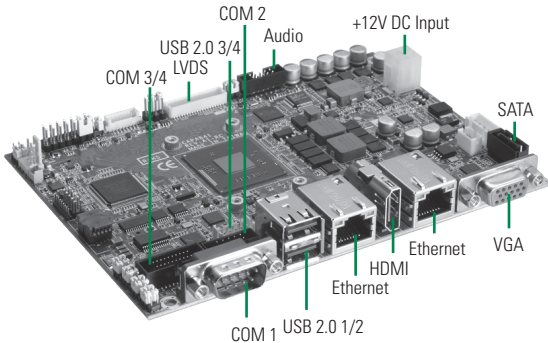


# CAPA842

Intel® Celeron® Processor J1900/N2807  
3.5" Embedded SBC with LVDS/VGA/HDMI,  
Dual LANs and Audio



## System

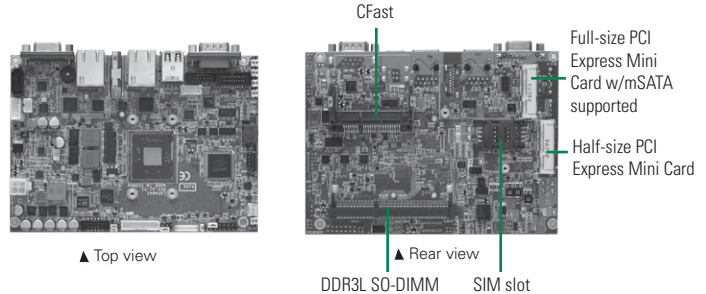
CPU	Intel® Celeron® processor J1900 quad core or N2807 dual core onboard (Bay Trail)
System Memory	1 x 204-pin DDR3L-1333 SO-DIMM max. up to 8 GB
Chipset	SoC Integrated
BIOS	AMI
SSD	1 x CFast™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x Full-size PCI Express Mini Card with mSATA 1 x 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® J1900 @ 2 GHz, 8GB DDR3L Max. RMS. +12V @ 1.41A 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; with +5V/+12V powered 2 x RS-232; with +5V/+12V powered
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	2 x 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i210AT
Audio	HD Codec audio as MIC-in/Line-in/Line-out/Speaker 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
TPM	ST ST33TPM12LPC with TPM 1.2 compliant

## Features

- Intel® Celeron® processor J1900/N2807 (Bay Trail SoC)
- 1 DDR3L SO-DIMM supports up to 8 GB memory capacity
- 4 USB 2.0 ports
- 4 COM ports
- 2 PCI Express Mini Card and 1 SIM slot
- 2 Gigabit Ethernet ports
- Display: LVDS/VGA/HDMI in dual-view



## 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, cable

### Cable

Part Number	Description	Qty
59382620000E	1 x COM w/ bracket P=2.0mm, L=300 mm	1
59384500100E	Audio cable w/ bracket P=2.0 mm, L=450 mm	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket 180 mm	1

### Optional

Part Number	Description
5078E841200E	Heatspreader

## Ordering Information

### Standard

CAPA842VHGGGA-J1900 (P/N: E38E842102)	3.5" embedded SBC with Intel® Celeron® processor J1900 (2~2.42 GHz, 2 MB Cache, 10W), VGA/LVDS/HDMI, 2 GbE Ethernet and audio
CAPA842VHGGGA-N2807 (P/N: E38E842100)	3.5" embedded SBC with Intel® Celeron® processor N2807 (1.58~2.16 GHz, 1 MB Cache, 4.3W), VGA/LVDS/HDMI, 2 GbE Ethernet and audio