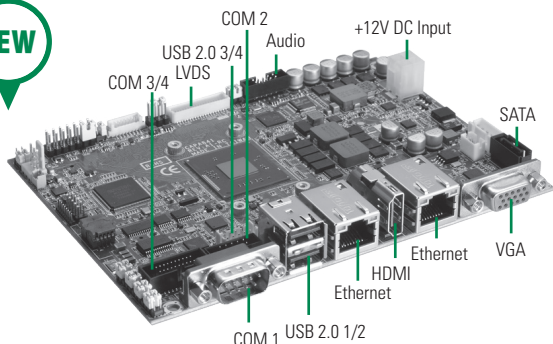


# CAPA842

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



## System

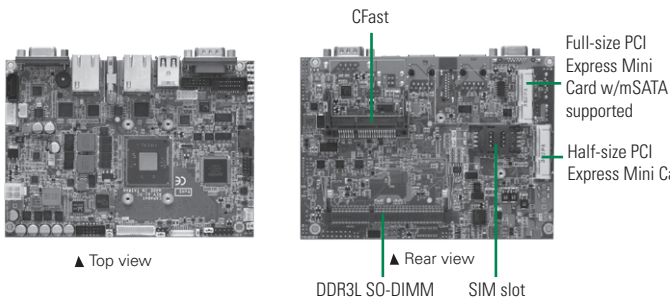
CPU	Intel® Celeron® processor J1900 2.0 GHz quad core and N2807 1.58 GHz dual core onboard
System Memory	1 x 204-pin DDR3L-1333 SO-DIMM max. up to 8 GB
Chipset	SoC Integrated
BIOS	AMI
SSD	1 x CFast™
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	1 x Full-Size Mini PCI Express Mini Card w/mSATA supported 1 x Half-Size Mini 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 2 x RS-232
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® i211AT
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 (2.0 GHz)/N2807 (1.58 GHz)
- 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
- 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=2,450 mm	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket 180 mm	1

## Ordering Information

### Standard

CAPA842VHGA-J1900	3.5" SBC with Intel® Celeron® processor J1900 2.0 GHz, VGA/LVDS/HDMI, 2 10/100/1000 Ethernet and audio (P/N: E38E842102)
CAPA842VHGA-N2807	3.5" SBC with Intel® Celeron® processor N2807 1.58 GHz, VGA/LVDS/HDMI, 2 10/100/1000 Ethernet and audio (P/N: E38E842100)

