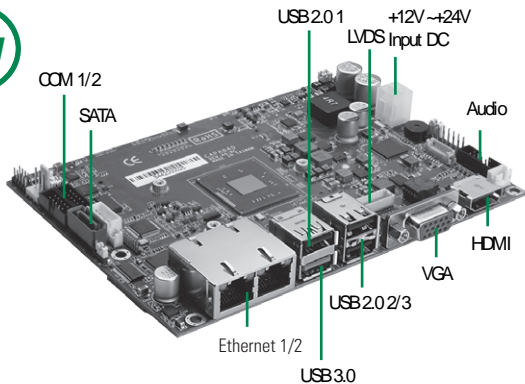


# CAPA843

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



## System

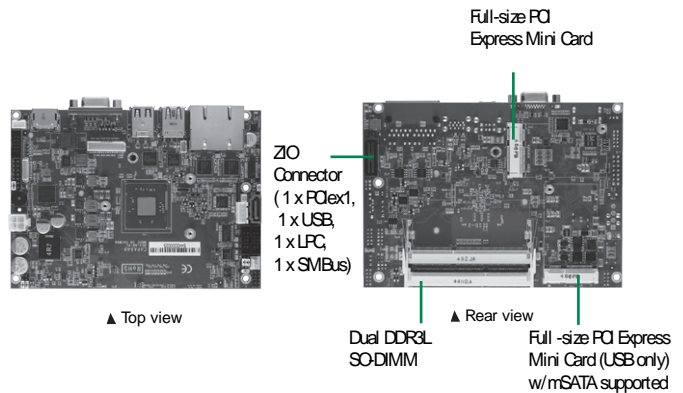
CPU	Intel® Celeron® processor J1900 quad core onboard
System Memory	2 x 204-pin DDR3L-1066/1333 SO-DIMM max. up to 8 GB
Chipset	SoC Integrated
BIOS	AMI
SSD	1 x mSATA
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x Full-size PCI Express Mini Card 1 x Full-size PCI Express Mini Card (USB only) 1 x USB, 1 x PCIe x1, 1 x LPC, 1 x SMBus through a ZIO connector
Battery Lithium	Lithium 3V/220mAh
Power Input	2 x 2-pin connector +10V~24V DC in AT Auto Power On function supported
Power Requirements	Intel® Celeron® J1900 @2.0 GHz, 8 GB DDR3L Max. RMS: +24V @ 0.5A
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	1 x RS-232/422/485; with +5V/+12V powered 1 x RS-232
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	2 ports 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 1 x USB 3.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels IN/CUT programmed

## Features

- Intel® Celeron® processor J1900
- 2 DDR3L-1066/1333 SO-DIMM max. up to 8 GB
- 4 USB 2.0 ports and 1 USB 3.0 port
- 2 COM ports



## 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 and cable		
Accessories		
Part Number	Description	Qty
5938262000E	1 x COM w/bracket P=2.0 mm, L=300 mm	1
59384500100E	Audio cable w/bracket P=2.45 mm	1
594F8802800E	1 x USB 2.0 wafer cable	1

## Ordering Information

Standard		
CAPA843MHGA-J1900 P/N: E38E843100	3.5" embedded SBC with Intel® Celeron® processor J1900 (2~2.42 GHz, 2MB Cache, 10W), VGA/LVDS/HDMI, 2 GbE LAN and audio	
Optional		
CAPA843MHGA-J1900-ZIO (P/N: E38E843102)	3.5" Embedded SBC with Intel® Celeron® processor J1900 (2~2.42 GHz, 2MB Cache, 10W), VGA/LVDS/HDMI, 2 GbE LAN, audio and ZIO connector	
AX93262 (P/N: E393262100)	ZIO module w/ four COM ports and one PCI Express Mini Card	
AX93285 (P/N: E393285100)	ZIO module w/ two COM ports and 32 bit programmable DIO	
AX93291 (P/N: E393291100)	ZIO module w/ two COM ports and two Ggabit Ethernet	

SBC Services and Solutions

System on Modules

Embedded SBCs > EPIC

3

Embedded SBCs > 3.5" Capa

Embedded SBCs > Nano-ITX

Embedded SBCs > Pico-ITX

Embedded SBCs > PC/104

Industrial Motherboards

Slot CPU Cards

ARM Embedded Boards

Accessories

Appendix