

CAPA843

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

Features

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



Core System

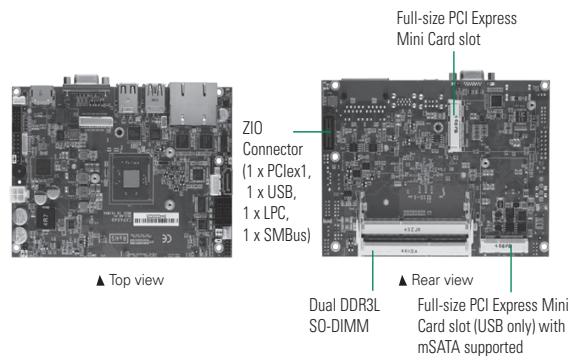
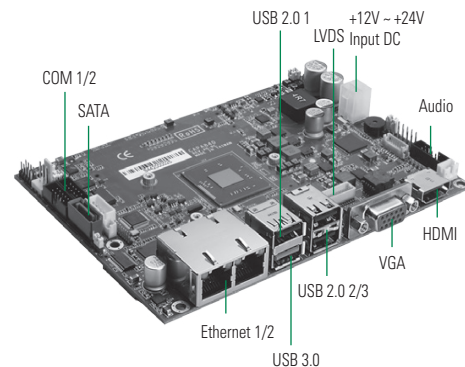
CPU	Intel® Celeron® processor J1900 quad core onboard
System Memory	2 x 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB
Chipset	SoC Integrated
BIOS	AMI
SSD	1 x mSATA
Watchdog Timer	255 levels, 1 ~ 255 sec.
Expansion Interface	1 x full-size PCI Express Mini Card slot 1 x full-size PCI Express Mini Card slot (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, 8GB 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/OUT programmed
TPM	ST ST33TPM12LPC with TPM 1.2 compliant

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
59382620000E	1 x COM w/ bracket, P=2.0 mm, L=300 mm	1
59384500100E	Audio cable w/ bracket, P=2.45 mm	1
594P8802800E	1 x USB 2.0 wafer cable	1

Ordering Information

Standard

CAPA843VHGA-J1900 (P/N: E38E843100)	3.5" Embedded SBC with Intel® Celeron® processor J1900 (2 ~ 2.42 GHz, 2 MB Cache, 10 W), VGA/LVDS/HDMI, 2 GbE LANs and audio
CAPA843VHGA-J1900-ZIO (P/N: E38E843102)	3.5" Embedded SBC with Intel® Celeron® processor J1900 (2 ~ 2.42 GHz, 2 MB Cache, 10 W), VGA/LVDS/HDMI, 2 GbE LANs, audio and ZIO connector

Optional

AX93262 (P/N: E393262100)	ZIO module for 2 x RS-232/422/485, 2 x RS-232, 1 x PCI Express Mini Card slot
AX93285 (P/N: E393285100)	ZIO module for 2 x RS-232, 32-bit programmable DIO
AX93291 (P/N: E393291100)	ZIO module for 2 x RS-232, 2 x GbE LAN
AX93295 (P/N: E393295100)	ZIO module for 2 x isolated RS-232, 2 x USB 3.0



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