

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

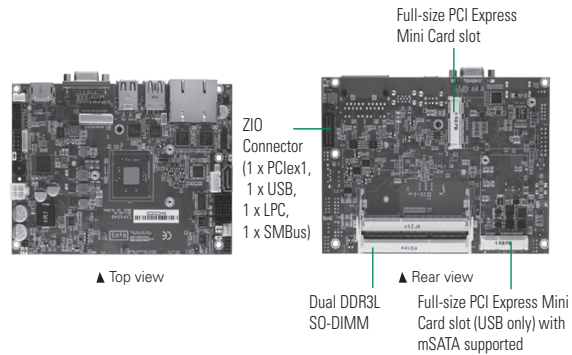
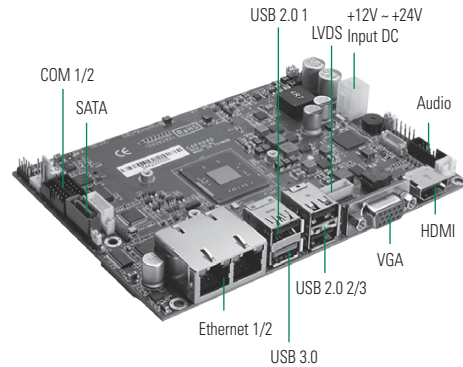
| | |
|---------------------|---|
| CPU | Intel® Celeron® processor J1900 quad core onboard |
| System Memory | 2 x 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB |
| Chipset | SoC Integrated |
| BIOS | AMI |
| SSD | 1 x mSATA |
| Watchdog Timer | 255 levels, 1 ~ 255 sec. |
| Expansion Interface | 1 x full-size 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

| | |
|--|---|
| CAPA843VHGGGA-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 |
| CAPA843VHGGGA-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 |



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660