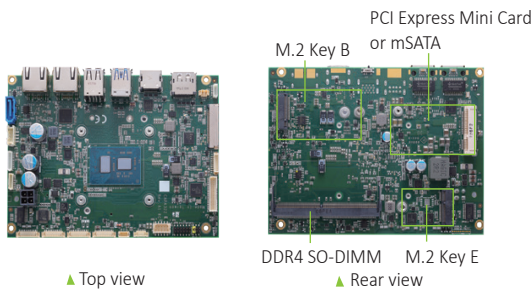
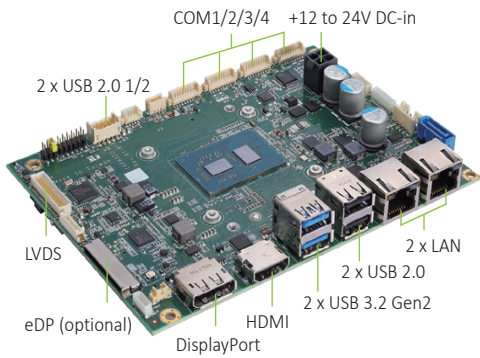


CAPA322

3.5" Embedded SBC with Intel® Celeron® Processor N6210/J6412 or Intel Atom® x6413E Processor, HDMI, LVDS, DisplayPort, Optional eDP, and Dual 2.5GbE LAN



Features

- Intel® Celeron® processor N6210/J6412 or Intel Atom® x6413E processor
- 1 DDR4 SO-DIMM for up to 32GB
- 4 USB 2.0 and 2 USB 3.2 Gen2
- 1 PCI Express Mini Card or mSATA
- 1 M.2 Key E and 1 M.2 Key B



Specifications

Core System

| | |
|---------------------|--|
| CPU | Intel® Celeron® processor N6210/J6412 or Intel Atom® x6413E processor onboard |
| System Memory | 1 x 260-pin DDR4-3200 SO-DIMM, up to 32GB |
| Chipset | SoC integrated |
| BIOS | AMI |
| SSD | 1 x mSATA (refer to ordering information, A SKU) 1 x M.2 Key B 2242 (PCIe x 2, USB 2.0) (refer to ordering information, B SKU) |
| Watchdog Timer | 65536 levels, 1 to 65535 sec. |
| Expansion Interface | 1 x Full-size PCI Express Mini Card (refer to ordering information, B SKU) 1 x M.2 Key E 2230 (PCIe x 1, USB 2.0) 1 x M.2 Key B 3042/3050 (PCIe x 1, USB 3.2 Gen1, USB 2.0) (refer to ordering information, A SKU) |
| Battery Lithium | Lithium 3V/220mAH |
| Power Input | 2 x 2-pin connector +12V to 24V DC-in AT Auto Power On function supported |

Display

| | |
|-------------------|---|
| Chipset | Intel® integrated UHD graphics |
| Memory Size | Share system memory |
| Display Interface | 1 x HDMI 1 x DisplayPort 1 x LVDS 1 x eDP (optional) |

I/O

| | |
|---------------------|--|
| SATA | 1 x SATA-600 |
| Hardware Monitoring | Detect CPU/system temperature and voltage |
| Ethernet | 2 x 10/100/1000/2500 Mbps Ethernet with Intel® I225-V supports Wake-on-LAN, PXE Boot ROM |
| Audio | HD Audio link via pin header |
| USB | 4 x USB 2.0 2 x USB 3.2 Gen2 |
| Serial | 2 x RS-232/422/485 2 x RS-232 |
| TPM | TPM 2.0 |
| SMBus | Yes, compatible with I ² C |
| Digital I/O | 8-channel in/out programmed |

Mechanical and Environmental

| | |
|-----------------------|--|
| Dimensions | 146 x 104 mm |
| Board Thickness | 1.6 mm |
| Operating Temperature | -20°C to +70°C (-4°F to 158°F) for Intel® Celeron® processor -40°C to +80°C (-40°F to 176°F) for Intel Atom® x6413E processor |
| Humidity | 10% to 95% relative humidity, non-condensing |

Ordering Information

Standard

| | |
|---------------------------------------|---|
| CAPA322-J6412-A (P/N: E38E322101) | 3.5" Embedded SBC with Intel® Celeron® processor J6412 (2.0-2.6 GHz, 10W), HDMI/LVDS/DisplayPort, 2.5GbE LAN, mSATA and heatsink |
| CAPA322-N6210-A (P/N: E38E322100) | 3.5" Embedded SBC with Intel® Celeron® processor N6210 (1.2-2.6 GHz, 6.5W), HDMI/LVDS/DisplayPort, 2.5GbE LAN, mSATA and heatsink |
| CAPA322-x6413E-A (E38E322102) | 3.5" Embedded SBC with Intel Atom® x6413E processor (1.5-3.0 GHz, 9W), HDMI/LVDS/DisplayPort, 2.5GbE LAN, mSATA and heatsink |
| CAPA322-N6210-B (P/N: E38E322103) | 3.5" Embedded SBC with Intel® Celeron® processor N6210 (1.2-2.6 GHz, 6.5W), HDMI/LVDS/DisplayPort, 2.5GbE LAN, NvMe M.2 Key B, and heatsink |
| CAPA322-J6412-B (P/N: E38E322104) | 3.5" Embedded SBC with Intel® Celeron® processor J6412 (2.0-2.6 GHz, 10W), HDMI/LVDS/DisplayPort, 2.5GbE LAN, NvMe M.2 Key B, and heatsink |
| CAPA322-x6413E-B (P/N: E38E322105) | 3.5" Embedded SBC with Intel Atom® x6413E processor (1.5-3.0 GHz, 9W), HDMI/LVDS/DisplayPort, 2.5GbE LAN, NvMe M.2 Key B, and heatsink |

Optional

| | |
|------------------------------|--|
| AX93A19 (P/N: E393A19100) | SIM card slot board |
| AX93A22 (P/N: E393A22100) | HD codec audio board for Mic-in/Line-in/Line-out |
| 594E8422800E | 2 USB 2.0 wafer cables w/bracket, 180 mm |
| 59380880250E | COM port cable DB-9 x 1P, P=1.25 mm, L=250 mm |
| 594H3186800E | Buzzer cable 9 x 5.5 mm 2-pin, L=40 mm |

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.

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