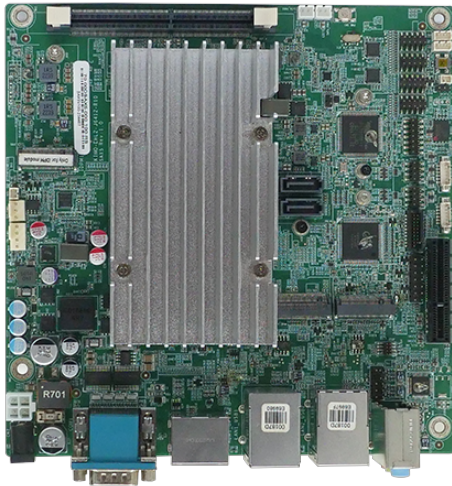


KINO-EHL2

Mini-ITX SBC supports Intel® Elkhart Lake Celeron® on-board SoC with Triple Independent Display, HDMI™, DP, iDPM, SATA 6Gb/s, Dual 2.5GbE, USB 3.2, M.2, 12~28V DC input and RoHS



Features

- » Mini-ITX SBC supports Intel® Elkhart Lake Celeron® J6412
- » Support Triple independent displays via HDMI™, DP, iDPM
- » Support dual Intel® i225V 2.5GbE ports
- » Support one PCIe Gen3 x4 slot, M.2 A key and M.2 B key expansions
- » Two USB 3.2 Gen2, six USB 2.0, four RS-232, two RS-422/485

Specifications

| System | |
|-----------------------------|---|
| CPU | Mini-ITX SBC supports Intel® Elkhart Lake Celeron® J6412 on-board SoC with Triple Independent Display, HDMI™, DP, iDPM, SATA 6Gb/s, Dual 2.5GbE, USB 3.2, M.2, 12 ~ 28V DC input and RoHS |
| Memory | 260-pin 3200 MHz DDR4 SO-DIMM, system up to 16GB |
| Memory Max. | up to 16GB |
| Cooling method / System Fan | 1 x CPU fan connector (1x4 pin) 1 x System fan connector (1x3 pin) |
| Storage | |
| Storage | 1 x SATA : 6Gb/s with 5V SATA power connector |
| I/O Interface | |
| Display Output | 1 x Display Port : up to 4096 x 2160@60Hz 1 x HDMI™ : up to 4096 x 2160@30Hz 1 x iDP : IEI iDPM 3040 slot (only for IEI eDP/LVDS/VGA module) |
| Ethernet | 2 x LAN - LAN1: Intel® I225V 2.5GbE controller LAN2: Intel® I225V 2.5GbE controller |
| Audio | HD Audio - Realtek ALC888S HD Audio codec : 3 x Audio Jack (Line-in, Line-out, Mic-in) 1 x Analog audio (2x5 pin) |
| I/O Interface | 1 x DIO : 12-bit digital I/O (2x7 pin) 2 x External RS-232 2 x External USB 2.0 : 2x4 pin, P=2.00 2 x External USB 3.2 Gen2x1 : 10Gb/s 2 x Internal RS-232 : 2x5 pin, P=2.00 2 x Internal RS-232/422/485 : 2x5 pin, P=2.00 4 x Internal USB 2.0 : 2x4 pin, P=2.00 |
| Expansion | 2 x M.2(NGFF) - 1 x M.2 A key (2230) (PCIex1 & USB 2.0) |

| | |
|-----------------------|---|
| | 1 x M.2 B key (3052/3042/2242/2280) w/ SIM holder (PCIe x2 / USB 2.0) |
| | 1 x PCIe x4 : PCIe Gen3 x1 signal |
| Other Features | |
| TPM | Intel® PTT(TPM 2.0) |
| Power | |
| Power Consumption | 12V@3.23A, 19V@2.15A, 24V@1.74A, 28V@1.53A (Intel® Celeron® J6412 2.0GHz with 32GB 3200MHz DDR4 memory and EUP enabled) |
| Power Supply | 12 ~ 28V DC input |
| | 1 x Internal power connector (2x2 pin) |
| | 1 x External DC power jack (Ø2.5mm) |
| | ErP/EuP Compliant |
| Environment | |
| Operating Temperature | 0°C ~ 60°C |
| Storage Temperature | -30°C ~ 70°C |
| Humidity | 5% ~ 95%, non-condensing |
| Certifications | |
| Safety & EMC | CE/FCC compliant |

Ordering Information

| | |
|---------------------|--|
| KINO-EHL2-J6412-R10 | Mini-ITX SBC supports Intel® Elkhart Lake Celeron® J6412 on-board SoC with Triple Independent Display, HDMI™, DP,iDPM, SATA 6Gb/s, Dual 2.5GbE, USB 3.2, M.2, 12~28V DC input and RoHS |
|---------------------|--|

Packing List

| | |
|-------------------------------------|----------------|
| 1 x KINO-EHL2 single board computer | 1 x SATA cable |
| 1 x I/O shielding | 1 x QIG |