



STAR 12.1" PPC

12.1" Fanless Panel PC with
Intel® Elkhart Lake ATOM® 6000 series Processor

■ Features:

- 12.1" LCD with Resistive touch screen
- Intel® Elkhart Lake ATOM® x6413E / J6412 CPU
- 1 x DDR4 SODIMM, Max. 32GB
- 2 x 2.5GbE, 4 x COM, DVI, HDMI, 4 x USB
- Wide Range 9~36V DC input
- Aluminum housing

■ Specifications :

| | | |
|-----------------------------|---|------------------------------------|
| Motherboard | 3i640CW | |
| CPU | Intel® Elkhart Lake ATOM x6413E Quad Core 3.0 GHz CPU Intel® Elkhart Lake Celeron J6412 Quad Core 2.6 GHz CPU | |
| Chipset | Intel® Elkhart Lake SoC | |
| Memory | 1 x DDR4 SODIMM, Max. 32GB | |
| Storage | SSD, M.2 | |
| Expansion slots | 1 x M.2 B Key Type3042 (SATA / USB 2.0 / USB 3.0) 1 x M.2 B Key Type2242 (PCIe x2 / USB 2.0), support NVMe 1 x Mini PCIe (USB 2.0 / PCIe) 1 x Mini SIM | |
| I/O ports | Network | 2 x Intel 2.5 GbE |
| | USB | 2 x USB 3.0 2 x USB 2.0 |
| | Serial ports | 2 x RS232 / 422 / 485 2 x RS232 |
| | Display | 1 x DVI, 1 x HDMI |
| | HD Audio | Line-out / Mic-in |
| Optional Modules & Function | 4G / 5G, Wifi 6, Bluetooth, Digital I/O *HDD Kit, *VESA Mount Kit *External power adapter | |
| ■ Certification | CE / FCC | |
| OS Support | Windows® 11 IOT , Windows® 10 IOT Ubuntu 22.04 above, Fedora 36 above | |

■ Mechanical

| | |
|------------|---|
| Dimensions | 323.5W x 268D x 54H mm |
| Weight | 3.4 kg |
| Mounting | Support Panel Mount / Wall mount VESA mount & Stand (optional) |

■ Power

| | |
|----------|---|
| DC input | +9~36V |
| AC input | External adapter 100 / 240V AC-DC (optional) |

■ LCD Display & Touch

| | |
|-------------------|-------------------------|
| Display Type | 12.1 inch 4:3 |
| Max. Resolution | 1024 x 768 |
| Viewing Angle | 80(U) 80(D) 80(R) 80(L) |
| Luminance (cd/m2) | 500 |
| Contrast Ratio | 700:1 |
| Touch Type | Resistive Touch Screen |

■ Environment

| | |
|-------------------|--|
| Operating Temp. | -20°C to +60°C with SSD (100 % CPU usage) |
| Storage Temp. | -20°C to +70°C |
| Relative Humidity | 95% @ 40°C, non-condensing |
| IP Rating | Front panel IP65 Compliant |

■ Dimension

