

Features

- Motherboard: MX6412J Mini ITX Motherboard Inside
- Four (4) LAN/Ethernet Ports onboard
- 4 x RJ45 LAN Ports, 2 x 2.5GbE, 2 x 1GbE
- Intel® Celeron J6412 Quad Core SoC up to 2.6GHz Burst Frequency, Elkhart Lake Platform
- Supports Dual Display via 2 x HDMI
- 4 x USB 3.0 and 2 x USB 2.0
- 1 x M.2 E-Key, 1 x M.2 M-Key NVMe
- TPM 2.0
- 12-24V DC-in
- Thin and Compact 8.587" L x 8.00" W x 2.166" H
- Optional COM port(s) at rear I/O



Specifications

System	
Motherboard Inside	MX6412J Mini-ITX
CPU	Intel® Celeron J6412 Quad Core SoC, 1.2 GHz up to 2.6GHz Burst Frequency, Elkhart Lake Platform
System Chipset	SoC
System Memory	2 x 260-pin SODIMM DDR4 Memory Slots, support up to 32GB
BIOS	AMI® 128Mb SPI BIOS
Ethernet	LAN 1: Intel® I225-LM (2.5GbE) Ethernet Controller LAN 2: Intel® I225-LM (2.5GbE) Ethernet Controller LAN 3: Intel® I210-AT (1GbE) Ethernet Controller LAN 4: Intel® I210-AT (1GbE) Ethernet Controller
Expansion	1 x M.2 E-Key 2230 (with PCIe x1 & USB 2.0 Signal) 1 x M.2 M-Key 2280 & 2242 (with PCIe x2 & SATA III Signal)
System Fan	Active Cooling
Storage	Onboard eMMC (Optional)
TPM	TPM 2.0
OS Support	Win 10
Display	
Chipset	Intel® UHD Graphics for 10th Gen Intel® Processors
Resolution	2 x HDMI: Max. Resolution 4096x2160 @ 30Hz
Multi-Display	Supports Dual Display

External I/O - Front

USB	2 x USB 2.0
Power	1 x Power Button with LED
Other	1 x Reset Switch

External I/O - Rear

Display	2 x HDMI
USB	4 x USB 3.1 Gen 1 Type A
LAN	4 x RJ45
Audio	Line-out/Mic-in
DC-in	1 x DC-In
COM Port	Optional COM port(s) at rear I/O

Mechanical and Environment

Power Type	12V-24V Wide Range DC-In
Power Adapter	Input: 100~240 Vac/50~60Hz Output: 90W Adapter (19V @ 4.73A)
Operating Temp	0 ~ 35°C (32 ~ 95°F)
Storage Temp	-20°C ~ 80°C (-4°F ~ 176°F)
Operation Humidity	10% ~ 86% Relative Humidity, Non-condensing
Certification	CE, FCC Class A, RoHS Compliant
Dimensions	8.587" L x 8.00" W x 2.166" H (218.11mm L x 203.20mm W x 55.02mm H)
Weight	4.25 lbs

Ordering Info

BI270-6412J	Intel® Celeron J6412 Industrial Computer, Power Adapter
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* All product specifications and images are subject to change without notice. Last update: 10/16/2023