



## Highlights

**Embedded Intel Celeron J6412, 4 Cores**  
**1 x DDR4 3200MHz SODIMM, (Max. 32GB)**  
**4 x Rj45 2.5GbE LAN, 1 x Rj45 Com Port**  
**2 x mSATA, 1 x Minipcie for 4G, 1 x eMMC**  
**1 x Micro-HDMI (4096x2160 @ 60 Hz)**  
**1 x Power button**  
**1 x M.2 for WiFi7, 1 x M.2 for 5G**  
**24-bit GPIOs**

## Specifications

### Processor System

CPU	Intel Celeron J6412
Frequency	2.6 Ghz (Quad Core)
L2 Cache	1.5MB
BIOS	AMI 128 Mb
AES	AES-NI
Fanless	Yes

### Memory

Technology	DDR4 3200MHz
Max. Capacity	32GB
Socket	1 x 260 Pin SODIMM

### Display

HDMI	1 x mini-HDMI
Max. Resolution	4096 x 2160 @ 60Hz

### Ethernet

Interface	4 x Rj45
Connector	Rj45
Controller	Intel i226-V
Speed	2.5 Gbps
PoE	No (Optional)

### Watchdog Timer

Output	System Reset
Internal Timer	Programable 1 - 255 sec. 1 - 255 Mins, Disable

### Physcial

Dimension	160x152x33 mm (LxWxH)
Weight	1.99 Lbs (Approx.)

### Internal I/O

Serials	1 x RS-232, 2 x TTL
Reset Button	1
Power Button	1
USB	5 x USB2 (Internal) 1 x USB 2.0, 1 x USB3.0 (Type A)
GPIO	24-bit
Serial Speed	Transfer to 1 Mbits/s
SIM Slot	Yes (2 Slots)
SIM Cutout	Available on Request

### Storage

mSATA	2 x full size mSATA
eMMC	1 x eMMC 4.5
SATA	1 x SATAIII (Max. Transfer 6.0Gb/s)

### Expansion

PCIe	PCIe X4 Gen3
M.2 Slot	1 x WiFi7
M.2 Slot	1 x 5G

### Power

Power input	12V +/- 10% only
Typical Power	1.6A@12V (18W)
Max. Power	36W (Typical) 60W (PCIe Card)

### Environment

Operating	0 ~ 60°C (32 ~ 140°F)
Non-Operating	-40°C ~ 85°C
Opt. Humidity	40° C @ 95% RH
Non-Opt. Humid.	60° C @ 95% RH