

Features

- Intel® Celeron J3455 Quad Core SoC Processor Onboard
- 1 x SODIMM DDR3L 1600MHz up to 8GB
- 32GB eMMC Onboard
- 1 x M.2, 1 x mini-PCIe with mSATA support & uSIM
- HDMI
- 4 x USB 3.0, 2 x USB 2.0
- Optional 2 x COM Ports
- 2 x Gigabit LAN
- Fanless Operation
- TPM 2.0
- 9V-36V Wide Range DC-In
- 7" (L) x 5.5" (D) x 1.85" (H)



Specifications

| System | |
|-----------------|--|
| Motherboard | ECM-3455J 3.5" SBC |
| CPU | Intel® Celeron J3455 Quad Core SoC 1.5GHz Base Frequency, 2.3GHz Burst Frequency |
| System Chipset | SoC |
| System Memory | 1 x 204-pin SODIMM DDR3L 1600MHz support up to 8GB Max |
| BIOS | AMI® UEFI 64Mb SPI BIOS |
| Display Chipset | Intel® HD Graphics 500 Integrated |
| Ethernet | LAN 1: Realtek® RTL8111H PCIe Gigabit LAN Controller LAN 2: Realtek® RTL8111H PCIe Gigabit LAN Controller |
| Audio | Realtek ALC255 Audio Codec 2 Watts Per Channel Amplifier |
| Expansion | 1 x M.2 Type E Key 2230 1 x Full Size mini-PCIe with mSATA Support & uSIM |
| Storage | 32GB eMMC Onboard |
| System Fan | Fanless |
| TPM | TPM 2.0 |
| OS Support | Win 10, Linux, Android |

| I/O - Front | |
|-------------|---------------------------|
| USB | 2 x USB 2.0 |
| Power | 1 x Power Button with LED |
| Reset | 1 x Reset Switch |
| I/O - Rear | |
| USB | 4 x USB 3.1 Gen 1 Type A |
| Display | 1 x HDMI |
| LAN | 2 x RJ45 |
| COM | 2 x COM (Optional) |
| Audio | 1 x Line-out |
| DC-in | 1 x DC-In |

Power Requirement

Requirement 9V - 36V Wide Range DC-In

Adapter Input: 100-240 Vac/50-60Hz;
Output: 60W 12V

Mechanical and Environment

Operating Temp 0°C ~ 35°C (32°F ~ 95°F)

Storage Temp -20°C ~ 80°C (-4°F ~ 176°F)

Operating Humidity 15% ~ 85% Relative Humidity, Non-condensing

Certification CE, FCC Class A, RoHS Compliant

Dimensions 7" x 5.5" x 1.85"

Weight 2.56 lbs

Ordering Info

BI255-3455J

Barebones: ECM-3455J Quad Core SoC, 4 x USB 3.0, 2 x USB 2.0, Mini-PCIe/mSATA, M.2 E Key, 1 x HDMI, 2 x GbE, Audio, Fanless, Power Adapter

* All product specifications and images are subject to change without notice. Last update: 2022/01/24



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