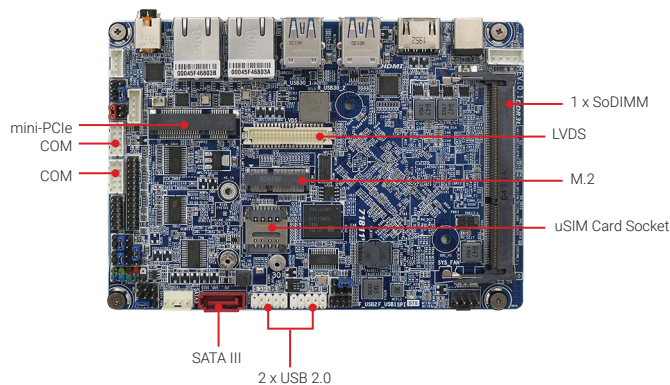


ECM-3455J

Intel® Celeron J3455 3.5" SBC Micro Module



Features

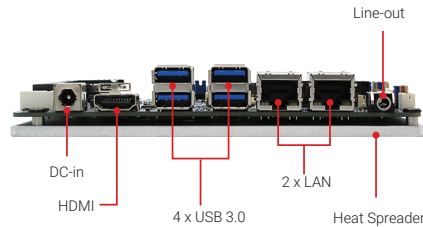
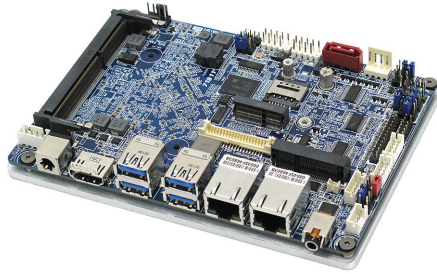
- Intel® Celeron J3455 Quad Core SoC Processor 1.5 GHz up to 2.3GHz max
- 1 x SO-DIMM DDR3L 1600MHz up to 8GB
- 32GB eMMC Onboard
- Supports Dual Display: HDMI, LVDS
- Supports Dual LAN
- 1 x M.2, 1 x mini-PCle with mSATA support & uSIM
- TPM 2.0 Onboard
- HDMI, 18/24-bit LVDS
- 4 x USB 3.0, 4 x USB 2.0
- 2 x COM
- I²C, SMBus, GPIO
- 2 x Gigabit LAN
- Fanless Operation with Heat Spreader
- 9V-36V Wide Range DC-In

SPECIFICATIONS

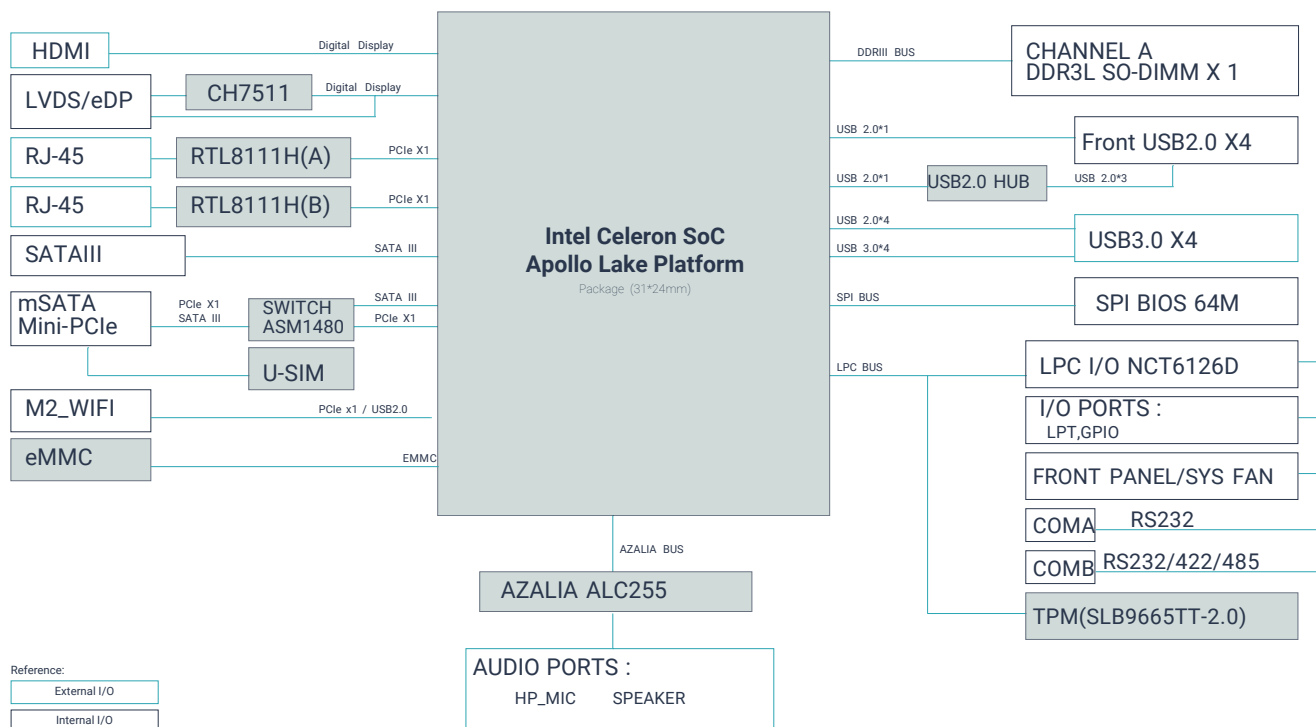
System	
Processor	Intel® Celeron J3455 Quad Core SoC 1.5GHz Base Frequency, 2.3GHz Burst Frequency
Chipset	SoC
Memory	1 x 204-pin SO-DIMM DDR3L 1600MHz support up to 8GB
Ethernet	2 x Realtek® RTL8111H PCIe Gigabit LAN Controllers
Audio Codec	Realtek HD Audio Codec
TPM	TPM 2.0 Onboard
Expansion	1 x M.2 E-Key 2230 1 x Full Size mini-PCle with mSATA Support & μSIM
Storage	32GB eMMC Onboard
BIOS	AMI® UEFI 64Mb SPI BIOS
H/W Monitor	1~255 Sec. Timer
Watchdog Timer	Monitoring System Temperature, Voltage and FAN Status with Auto Throttling Control
Supported OS	Win 10, Linux, Android
Graphics	
Chipset	Intel® HD Graphics 500 Integrated
Multi-Display	18/24-bits Dual Channel LVDS
Interface	Supports dual display, 2nd display via external HDMI port
External I/O Ports	
Display	3 x DisplayPorts (DP++)
USB	2 x USB 3.2 Gen 2 Type A, 2 x USB 2.0 Type A 2 x USB Type C Thunderbolt 4
LAN	2 x RJ45 LAN
Audio	Line-out
Power Input	1 x Barrel Type DC-in Connector

Internal I/O Connectors	
Display	1 x LVDS Header 1 x Backlight Locking Type Header
USB	2 x USB 2.0 Headers (4 Ports Total)
COM	1 x RS-232/422/485 Header (with Voltage Selection) 1 x RS-232 Header (with Voltage Selection)
I ² C	1 x I ² C Header
SATA	1 x SATA III Connectors (Red) 1 x SATA Power Connector
Other I/O	1 x SPI Header, 1 x Front Panel, 1 x 8 bits GPIO, 1 x Cable Type CMOS Battery, 1 x Onboard Buzzer, 1 x SMBus Header, 1 x 4 Pin Chassis Fan Header, 1 x 4 Pin DC-in
Mechanical, Power, and Environment	
Power	9V - 36V Wide Range DC-In
Operating Temp	0°C ~ 60°C (32°F ~ 140°F)
Storage Temp	-20°C ~ 80°C (-40°F ~ 176°F)
OP Humidity	5% ~ 90% Relative Humidity, Non-condensing
Certification	FCC Class B/CE RoHS Compliant
Form Factor	3.5" Single Board Computer (SBC)
Dimensions	5.7" x 4" (146mm x 102mm)
Weight	0.44lbs (0.2kg)

SPECIFICATIONS / ADDITIONAL PRODUCT PHOTOS



BLOCK DIAGRAM



ORDERING INFORMATION

Model Name	CPU Onboard / CPU Socket	Memory / Storage	LAN	Display Port
ECM-3455J	Intel® Celeron® Processor J3455E	1 x SO-DIMM socket	2 x GbE	1 x HDMI

Model Name	Description
182000000073	2.00mm pitch 19.7" length dual port serial cable with full height bracket
183000000006	2.00mm pitch 12" length Serial cable
182437200040	2.54mm pitch 14" length Dual port USB cable with full height bracket

PACKING LIST

- ✓ 1 x ECM-3455J Motherboard
- ✓ 1 x ECM3455J Heat Spreader



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