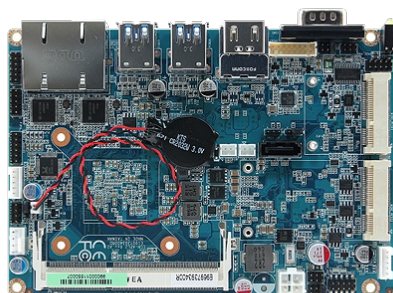


ECM-APL2-A

Intel® Apollo Lake 3.5" Micro Module



- > Bottom Layer Soldered
- > Intel® Pentium®/Celeron®/Atom™ BGA Processor
- > Intel® HD Graphics 500/505
- > Single DRAM Socket, Max. Up to 8GB DDR3L 1600&1333MHz
- > Triple Display (Dual HDMI, VGA)
- > Dual Expansion Slot, 2-mCPL
- > Dual Gigabit Ethernet, HD Audio Code
- > TPM 2.0

+ Spec

System Information

Processor	Intel® Celeron® Processor J3455 (2M Cache, up to 2.30 GHz)
System Memory	1 x 204-Pin SO-DIMM Socket, Max. Up to 8GB DDR3L 1600&1333MT/s
I/O Chipset	EC IT8528E/ IT8528I
BIOS Information	AMI uEFI BIOS, 128Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec. and 1sec./step
H/W Status Monitor	Monitoring System Temperature, Voltage and FAN Status with Auto Throttling Control

Expansion

Expansion	1 x Full Size mCPL 1 x Half Size mCPL
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Storage

Storage	1 x mSATA (Shared mCPL)
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I/O

USB Port	4 x USB 3.0 2 x USB 2.0
COM Port	2 x RS-232/422/485
SATA	1 x SATA III
DIO	1 x 8bit GPIO
MIO	1 x LPC 1 x SPI

Display

Graphic Chipset	Intel® HD Graphics 500 (E3930, E3940, J3455, N3350) Intel® HD Graphics 505 (E3950, N4200)
Spec. & Resolution	2 x HDMI 1.4: Max. Resolution 3840x2160 @ 30Hz 1 x VGA: Max. Resolution 1920x1200 @ 60Hz
Multiple Display	Triple Display

Audio

Audio Codec	Realtek ALC888S, supports 5.1-CH
Audio Interface	1 x Mic-In 1 x Line-In 1 x Line-Out

Certifications

Certification Information	CE FCC Class B
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Ethernet

LAN Chipset	2 x Intel® I210AT
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ45 with ACT/LINK and SPEED LEDs

Mechanical & Environmental

Operating Temperature	0°C ~ 60°C (32°F ~ 140°F), with 0.2m/s air flow
Storage Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Weight	0.44lbs (0.2kg)
Power Requirement	DC in +12V ~ +24V
Power Mode	AT/ATX
Dimension (L x W)	5.7" x 4" (146mm x 101mm)

Software Support



OS Information	Win 10 Linux
Ordering Information	
Ordering Information	ECM-APL2-J3455-C3R 3.5" W/J3455/6USB/2COM/2LAN/C3 ACC-ECMAPL2-SD-2R Heat spreader for ECM-APL2 N/J series