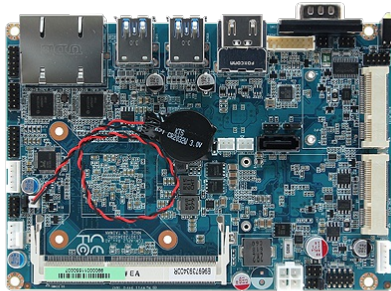




## ECM-APL2-A

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-mCPle
- > Dual Gigabit Ethernet, HD Audio Code
- > TPM 2.0

### + Spec

| -System Information-             |  |
|----------------------------------|--|
| <b>Processor</b>                 | Intel® Celeron® Processor J3455 (2M Cache, up to 2.30 GHz)                                   |
| <b>System Memory</b>             | 1 x 204-Pin SO-DIMM Socket, Max. Up to 8GB DDR3L 1600&1333MT/s                               |
| <b>I/O Chipset</b>               | EC IT8528E/ IT8528I  |
| <b>BIOS Information</b>          | AMI uEFI BIOS, 128Mbit SPI Flash ROM   |
| <b>Watchdog Timer</b>            | H/W Reset, 1sec. ~ 65535sec. and 1sec./step  |
| <b>H/W Status Monitor</b>        | Monitoring System Temperature, Voltage and FAN Status with Auto Throttling Control           |
| Expansion                        |  |
| <b>Expansion</b>                 | 1 x Full Size mPCle<br>1 x Half Size mPCle   |
| Storage                          |  |
| <b>Storage</b>                   | 1 x mSATA (Shared mPCle)   |
| I/O                              |  |
| <b>USB Port</b>                  | 4 x USB 3.0<br>2 x USB 2.0   |
| <b>COM Port</b>                  | 2 x RS-232/422/485   |
| <b>SATA</b>                      | 1 x SATA III   |
| <b>DIO</b>                       | 1 x 8bit GPIO  |
| <b>MIO</b>                       | 1 x LPC<br>1 x SPI   |
| Display                          |  |
| <b>Graphic Chipset</b>           | Intel® HD Graphics 500 (E3930, E3940, J3455, N3350)<br>Intel® HD Graphics 505 (E3950, N4200) |
| <b>Spec. &amp; Resolution</b>    | 2 x HDMI 1.4: Max. Resolution 3840x2160 @ 30Hz<br>1 x VGA: Max. Resolution 1920x1200 @ 60Hz  |
| <b>Multiple Display</b>          | Triple Display   |
| Audio                            |  |
| <b>Audio Codec</b>               | Realtek ALC888S, supports 5.1-CH   |
| <b>Audio Interface</b>           | 1 x Mic-In<br>1 x Line-In<br>1 x Line-Out  |
| Certifications                   |  |
| <b>Certification Information</b> | CE<br>FCC Class B  |
| Ethernet                         |  |
| <b>LAN Chipset</b>               | 2 x Intel® I210AT  |
| <b>Ethernet Interface</b>        | 10/100/1000 Base-Tx GbE compatible   |
| <b>LAN Port</b>                  | 2 x RJ45 with ACT/LINK and SPEED LEDs  |
| Mechanical & Environmental       |  |
| <b>Operating Temperature</b>     | 0°C ~ 60°C (32°F ~ 140°F), with 0.2m/s air flow  |
| <b>Storage Temperature</b>       | -40°C ~ 75°C (-40°F ~ 167°F)   |
| <b>Operating Humidity</b>        | 40°C @ 95% Relative Humidity, Non-condensing   |
| <b>Weight</b>                    | 0.44lbs (0.2kg)  |
| <b>Power Requirement</b>         | DC in +12V ~ +24V  |
| <b>Power Mode</b>                | AT/ATX   |
| <b>Dimension (L x W)</b>         | 5.7" x 4" (146mm x 101mm)  |
| Software Support                 |  |



|                             |   |
|-----------------------------|---|
| <b>OS Information</b>       | Win 10<br>Linux   |
| <b>Ordering Information</b> |   |
| <b>Ordering Information</b> | ECM-APL2-J3455-C3R<br>3.5" W/J3455/6USB/2COM/2LAN/C3<br><br>ACC-ECMAPL2-SD-2R<br>Heat spreader for ECM-APL2 NJ series |