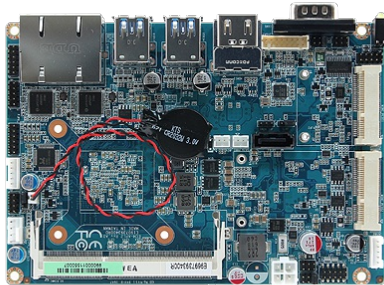




ECM-APL2

Intel® Pentium®/Celeron®/Atom™ SoC Processor
3.5" Micro Module



- > Onboard Intel® Pentium®/Celeron® /Atom™ SoC BGA Processor (with CPU Bottom Mounted)
- > 1x 204pin DDR3L SO-DIMM up to 8G
- > Triple Display (Dual HDMI, VGA)
- > 1 x SATA III, 4 x USB3.0 ,2 xUSB2.0, 2 COMs ,2x Mini-PCle, 8-bit GPIO
- > +12 ~ 26V Wide Power Range
- > TPM 2.0 (Optional)
- > Support Wide temp.-40~+85 degrees (Optional)

+ Spec

| System | |
|----------------------------------|---|
| Processor | Intel® Pentium®/Celeron® /Atom™ SoC BGA Processor (with CPU Bottom Mounted) |
| System Chipset | Apollo SoC integrated |
| System Memory | 1x204-Pin DDR3L 1866MHz SO-DIMM,supports 4G/8G & Up to 8GB DDR3L 1866MTs SDRAM (Non-ECC) |
| I/O Chip | EC(IT8528E), I-series CPU use EC (IT8528I) for WT |
| BIOS | 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 | 2 x Mini PCIe (1 x Full-size Mini PCIe with mSATA Supported, 1 x Half-size Mini PCIe) |
| Storage | |
| Storage | 1 x mSATA Supported from Mini PCIe |
| I/O | |
| USB | 4 x USB 3.0 2 x USB 2.0 |
| SATA | 1 x SATA III |
| COM Port | 2 x RS-232/422/485 |
| DIO | 1 x 8bit GPIO |
| MIO | 1 x LPC 1 x SPI |
| Display | |
| Chipset | Intel® Apollo Lake SoC integrated Gen9 LP Graphics Supports triple display |
| Resolution | HDMI: Max. resolution 3840x2160 @ 30Hz VGA: Max. resolution 1920x1200 @ 60Hz Dual HDMI + VGA VGA (by pin header) |
| Audio | |
| Chipset | Realtek ALC892 supports 5.1-CH |
| Audio Interface | Mic-In, Line-In, Line-Out |
| Ethernet | |
| Chipset | 2 x Intel® I211AT Intel I210IT for WT |
| Ethernet Interface | 10/100/1000 Base-Tx GbE compatible |
| LAN Port | 2 x RJ-45 |
| Mechanical & Environmental | |
| Power Requirement | +12V ~ +26V |
| Power Type | AT/ATX |
| Operating Temp | 0°C ~ 60°C (32°F ~ 140°F) -40°C ~ 85°C (-40°F ~ 185°F) (Optional for Wide Temperature Model) |
| Storage Temp | -40°C ~ 75°C (-40°F ~ 167°F) |
| Operating Humidity | 0% ~ 90% Relative Humidity, Non-condensing |
| Dimension (L x W) | 5.7" x 4" (146mm x 101mm) |
| Weight | 0.44lbs (0.2kg) |
| Certifications | |
| Certification Information | CE FCC Class B |
| Software Support | |



OS Information

Win 10
Linux