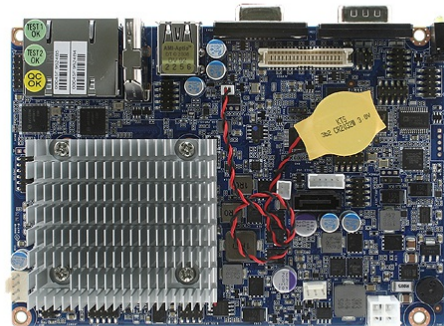




## ECM-BYT

Intel® Celeron®/Atom™ SoC Processors  
J1900/E3845 3.5" Micro Module

- Onboard Intel® Celeron®/Atom™ SoC J1900/E3845 BGA Processor
- One 204-pin DDR3L SODIMM Socket Supports Up to 8GB DDR3L 1066/ 1333 SDRAM
- Dual View, 2-CH LVDS, CRT, HDMI
- 2 x Gigabit Ethernet
- HD Audio/ Fanless Operation
- 1 CF, 1 SATA II, 1 Mini-PCle, 1 USB 3.0, 5 USB 2.0, 4 COM, 8-bit GPIO

### + Spec

| System                              |                                                                                                                                                                                            |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor                           | Intel® Atom™ E3845 4-Core 1.91GHz processor<br>Intel® Celeron® J1900 4-Core 2.0GHz processor                                                                                               |
| System Memory                       | 1 x 204-Pin DDR3L 1066MHz SO-DIMMup to 8 GB<br>or 1 x 204-Pin DDR3L 1333MHz SO-DIMMup to 8 GB<br>Processor E3845 & J1900 only support 1333MHz                                              |
| I/O Chip                            | EC ITE IT8528E                                                                                                                                                                             |
| BIOS                                | AMI uEFI BIOS, 64Mbit SPI Flash ROM                                                                                                                                                        |
| Watchdog Timer                      | H/W Reset, 1sec. ~ 65535sec and 1sec. or 1min./step                                                                                                                                        |
| H/W Status Monitor                  | Monitoring SYSTEM Temperature, Voltage and FAN Status with Auto Throttling Control                                                                                                         |
| Expansion                           |                                                                                                                                                                                            |
| Expansion                           | 1 x Mini PCIe Supports mSATA                                                                                                                                                               |
| Storage                             |                                                                                                                                                                                            |
| Storage                             | 1 x CompactFlash Type I/II Socket                                                                                                                                                          |
| Touch Screen                        |                                                                                                                                                                                            |
| Built-in Touch controller(optional) | Chipset:PenMount 6000<br>Touch Screen Interface:With 5-pin 2.0mm Box Header (Can be Selected to Support 4/ 5Wire Touch Screen)                                                             |
| I/O                                 |                                                                                                                                                                                            |
| USB                                 | 5 x USB 2.0<br>1 x USB 3.0                                                                                                                                                                 |
| SATA                                | 1 x SATA II                                                                                                                                                                                |
| COM Port                            | 1 x RS-232/422/485<br>3 x RS-232                                                                                                                                                           |
| DIO                                 | 1 x 8bit GPIO                                                                                                                                                                              |
| MIO                                 | 1 x LPC<br>1 x PS2/ KB & MS                                                                                                                                                                |
| Display                             |                                                                                                                                                                                            |
| Chipset                             | Intel® Valleyview SoC integrated Graphics<br>Supports dual display                                                                                                                         |
| Resolution                          | VGA:Max. resolution 2560x1080@ 60Hz<br>HDMI:Max. resolution 1920x1200@ 60Hz<br>LVDS:Max. resolution 1920x1080@ 60Hz<br>CRT + LVDS, HDMI + LVDS, CRT + HDMI<br>Dual-channel 18/ 24-bit LVDS |
| Audio                               |                                                                                                                                                                                            |
| Chipset                             | Realtek ALC892<br>Support 5.1-CH                                                                                                                                                           |
| Audio Interface                     | Mic-In, Line-In and Line-Out                                                                                                                                                               |
| Ethernet                            |                                                                                                                                                                                            |
| Chipset                             | 2 x Intel® I211AT                                                                                                                                                                          |
| Ethernet Interface                  | 10/100/1000 Base-Tx GbE compatible                                                                                                                                                         |
| LAN Port                            | 2 x RJ-45                                                                                                                                                                                  |
| Mechanical & Environmental          |                                                                                                                                                                                            |
| Power Requirement                   | +12V ~ +26V                                                                                                                                                                                |
| ACPI                                | Single Power ATX Support S0, S3, S4, S5<br>ACPI3.0 Compliant                                                                                                                               |
| Power Type                          | AT/ATX                                                                                                                                                                                     |
| Operating Temp                      | 0°C ~ 60°C (32°F ~ 140°F)<br>-40°C ~ 85°C (-40°F ~ 185°F)<br>(Optional for Wide Temperature Model)                                                                                         |
| Storage Temp                        | -40°C ~ 75°C (-40°F ~ 167°F)                                                                                                                                                               |



|                                  |                                            |
|----------------------------------|--------------------------------------------|
| <b>Operating Humidity</b>        | 0% ~ 90% Relative Humidity, Non-condensing |
| <b>Dimension (L x W)</b>         | 5.7" x 4" (146mm x 101mm)                  |
| <b>Weight</b>                    | 0.44lbs (0.2kg)                            |
| <b>Certifications</b>            |                                            |
| <b>Certification Information</b> | CE<br>FCC Class B                          |
| <b>Software Support</b>          |                                            |
| <b>OS Information</b>            | Win 8<br>Win 7<br>Linux                    |

#### Ordering

ECM-BYT-E3845-A1R  
ECM-BYT W/I E3845/1SATA/4COM/A1

ECM-BYT-J1900-A1R  
ECM-BYT W/D J1900/1SATA/4COM/A1

ECM-BYT-E3845W-A1R (Wide temp.-40~+85C)  
ECM-BYT W/I E3845/4COM/WT/A1