



Features

- Onboard Intel® Celeron®/Atom™ SoC Processors (with CPU Bottom Mounted)
- One 204-pin DDR3L SODIMM Socket Supports Up to 8GB DDR3L 1066/1333 SDRAM
- Dual View, 2-CH LVDS, CRT, HDMI
- 2 Gigabit Ethernet, HD Audio
- 1 SATA II, 1 USB 3.0, 7 USB 2.0, 2 COM, 8-bit GPIO
- 2 Mini PCIe
- TPM 1.2 Function (Optional)



Specifications

System

CPU	Intel® Celeron® Processor J1900 Family Intel® Atom™ Processor E3800 Family CPU Mount in Solder Side
BIOS	AMI uEFI BIOS, 64Mbit SPI Flash ROM
System Chipset	Valleyview SoC Integrated
I/O Chip	EC (IT8528E)
System Memory	One 204-pin DDR3L SODIMM Socket Supports Up to 8GB DDR3L 1066/1333 SDRAM
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec./1sec.step
H/W Status Monitor	Monitoring System Temperature, Voltage with Auto Throttling Control
Expansion	1 x Full-size Mini PCIe with mSATA Supported 1 x Half-size Mini PCIe

I/O

MIO	1 x SATA II, 1 x RS232/422/485, 1 x RS232
USB	1 x USB 3.0, 7 x USB 2.0
DIO	4-bit GPI, 4-bit GPO

Display

Chipset	Intel® Celeron®/Atom™ SoC Integrated Graphics
Resolution	VGA Mode: 1920 x 1200 @ 60Hz HDMI Mode: 1920 x 1200 @ 60Hz LVDS Mode: 1920 x 1080 @ 60Hz
Multiple Display	CRT + LVDS, HDMI + LVDS, CRT + HDMI
LCD Interface	Dual-channel 18/24-bit LVDS

Audio

Chipset	Realtek ALC892 Support 5.1-CH Audio
Audio Interface	Mic-in, Line-in, Line-out

Ethernet

Chipset	2 x Realtek RTL8111E Gigabit Ethernet
Ethernet Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

Power Requirement	+12V ~ 26V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
Power Type	AT/ATX
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Size (L x W)	5.7" x 4" (146mm x 101mm)
Weight	0.44lbs (0.2kg)

Ordering Information

ECM-BYT2

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

ACC-MEM-xx

Memory Series (xx = Capacity, Capacity Option: 256, 512MB, 1, 2GB)