

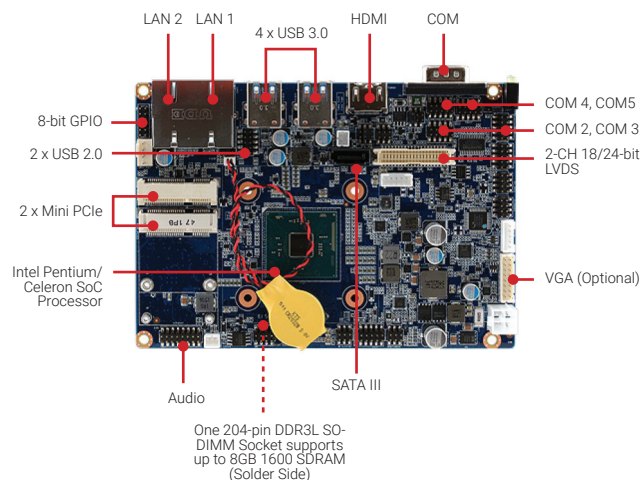
ECM-BSW

3.5" Single Board Computer

Intel® Pentium®/ Celeron® N3000 Series SoC
Processors 3.5 inch Single Board Computer (SBC)

Features

- Onboard Intel® Pentium®/Celeron® SoC Quad Core Processor Onboard
- One 204-pin DDR3L SODIMM Socket Supports Up to 8GB DDR3L 1600 SDRAM
- Dual Display (HDMI, LVDS)
- 1 SATA III, 4 USB 3.0, 2 USB 2.0, 5 COM, 2 x Mini-PCle, 8-bit GPIO
- Fanless
- TPM 1.2 function (Optional)



Specifications

System

CPU	Intel® Pentium® N3700 4-Core Processor 2.4 GHz (Max Speed) Intel® Celeron® N3160 4-Core Processor 2.24 GHz (Max Speed)
BIOS	Insyde 64Mbit SPI Flash ROM
System Chipset	SoC
I/O Chip	Nuvoton NPCE388N
System Memory	1 x 204-Pin DDR3L SODIMM Socket supports up to 8 GB 1600MHz DDR3L
Expansion	2 x Mini PCIe 1 x Full-size Mini PCIe with mSATA Supported 1 x Half-size Mini PCIe 1 x mSATA supported from Mini PCIe

OS Support

OS Info	Win 8, Win 7, Linux
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I/O

MIO	1 x LPC, 1 x SPI
USB	2 x USB 2.0, 4 x USB 3.0
DIO	8-bit GPIO
Other	1 x SATA III, 1 x RS-232/422/485, 4 x RS-232, 2 x RJ-45

Display

Chipset	Intel® Braswell SoC integrated Graphics Supports dual display
Resolution	HDMI: Max. resolution 1920x1080 @ 60Hz LVDS: Max. resolution 1920x1080 @ 60Hz Dual-channel 18/ 24-bit LVDS VGA by pin header (Optional)
Multiple Display	LVDS + HDMI
LCD Interface	Built-in Touch controller (optional): EETI ETP-CP-MER4485XRU With 5-pin 2.0mm Box Header (Can be Selected to Support 4/5Wire Touch Screen)

Audio

HD Codec	Realtek ALC233, supports 2.1-CH
Audio Interface	Audio Amp.: 2W

Ethernet

LAN Chip	2 x Realtek 8119I
Ethernet Interface	2 x RJ-45, 10/100/1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environment

Power Requirement	+12V ~ +26V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant
Power Type	AT/ATX
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Storage Temp.	-40 ~ 75°C (-40 ~ 167°F)
Operating Humidity	0%~90% Relative Humidity, Non-condensing
Form Factor	3.5" Single Board Computer (SBC)
Dimensions	5.7" x 4" (146mm x 101mm)
Weight	0.44lbs (0.2kg)

Ordering Info

ECM-BSW-N3160	Intel® Braswell N3160 Quad Core 3.5" SBC
ECM-BSW-N3700	Intel® Braswell N3700 Quad Core 3.5" SBC

* All product specifications and images are subject to change without notice.
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