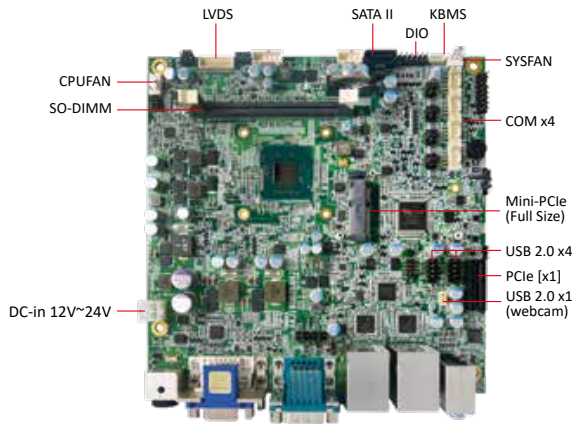


AMIX-BYTO (WMIX-E38450)

Intel® Atom®/ Celeron® Series SoC based Mini-ITX Motherboard with VGA/DVI-D/LVDS, SATA II, 6 COM, 9 USB, Dual Intel® GbE LAN.



Key Features

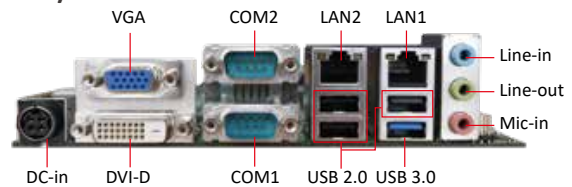
- Intel® Bay Trail Atom® / Celeron® series SoC onboard
- One 204-pin SO-DIMM up to 8GB DDR3L 1333MHz SDRAM
- Dual Display: VGA/DVI-D/LVDS
- Two Intel® Gigabit Ethernet ports
- 1 PCIe (x1), 1 Mini-PCIe (combo mSATA) and 1 micro-SD expansion
- 1 SATA II, 6 COM, 1 USB 3.0 and 8 USB 2.0
- DC-in 12V ~ 24V
- EuP/ErP 2013 Ready

Product Specification

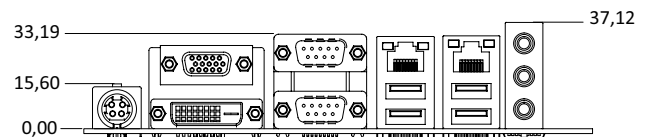
System Processor/Chipset	
Processor	Intel® Bay Trail series SoC onboard Atom® E3845 (1.91GHz, QC, 10W) Atom® E3827 (1.75GHz, DC, 8W) Celeron® N2930 (1.83GHz/2.16GHz, QC, 7.5W)
Chipset	Intel® Bay Trail SoC integrated
BIOS	AMI UEFI Flash ROM
Memory	
Technology	DDR3L SDRAM up to 1333 MHz
Max. capacity	Up to 8GB
Socket	1 x 204-pin SO-DIMM
Display	
Graphics	Intel® HD Gen7 Graphics
Display interface	1 x VGA, 1 x DVI-D 1 x LVDS (Dual channel 18/24-bit)
Multi-display	Up to two independent displays
Resolution	VGA: 2560 x 1600 @ 60Hz (max) DVI-D: 1920 x 1080 @ 60Hz (max) LVDS: 1920 x 1200 @ 60Hz (max)
Ethernet	
Interface	10/100/1000 Mbps
Controller	Intel® I210 GbE
Connector	2 x RJ45 (rear I/O)
Audio	
Interface	Line-in, Line-out, Mic-in
CODEC	Realtek ALC662 HD Audio Codec
Expansion Slot	
PCI Express	1 x PCIe (x1)
Mini-PCIe	1 x Full size (combo mSATA)
Secure Digital	1 x Micro SD (3.3V)
SATA	
Max. data transfer rate	3.0 Gb/s
Port	1 x SATA II
I/O	
Audio	Line-in, Line-out, Mic-in (rear I/O) Line-out, Mic-in (pin-header)
USB	1 x USB 3.0 (rear I/O) 8 x USB 2.0 (3x rear I/O, 4x pin-header, 1x box-header)
COM	5 x RS-232 (1x rear I/O, 4x box-header) 1 x RS-232/422/485 (rear I/O) All ports with 5V/12V by Jumper selection
HDMI/VGA/DVI/DP/LVDS	1 x VGA (rear I/O), 1 x DVI-D (rear I/O) 1 x LVDS (box-header)
DIO	1 x 4-in / 4-out Digital I/O (box-header)
SMBus	1 x SMBus (pin-header)
PS/2	1 x PS/2 Keyboard and Mouse (box-header)
Power Requirement	
Power connector	1 x ATX (+12V 2x2-pin) 1 x DC-Jack 4-pin

Power type	DC-in 12V ~ 24V
Power mode	AT/ATX (by jumper selection)
Watchdog Timer	
Interval	Programmable 1 ~ 255 sec/min
Output	System reset
Environment	
Operating temperature	0°C ~ 60°C (32°F ~ 140°F) standard -20°C ~ 70°C (-4°F ~ 158°F) optional -40°C ~ 70°C (-40°F ~ 158°F) optional
Storage temperature	-40°C ~ 80°C (-40°F ~ 176°F)
Relative humidity	0% ~ 95% (non-condensing)
Form Factor	
Dimensions (L x W)	Mini-ITX 170mm x 170mm (6.69" x 6.69")

Rear I/O



Dimensions



Ordering Information

Part Number	Description
AMIX-BYTO-3845	Mini-ITX, Intel Atom E3845 10W, VGA/DVI-D/LVDS, SATA/6COM/9USB/2LAN, DC(12V~24V)/DC-Jack, w/ Heatsink
AMIX-BYTO-3827 (MOQ)	Mini-ITX, Intel Atom E3827 8W, VGA/DVI-D/LVDS, SATA/6COM/9USB/2LAN, DC(12V~24V)/DC-Jack, w/ Heatsink
AMIX-BYTO-2930 (MOQ)	Mini-ITX, Intel Celeron N2930 7.5W, VGA/DVI-D/LVDS, SAT A/6COM/9USB/2LAN, DC(12V~24V)/DC-Jack, w/ Heatsink

Optional Accessories

Part Number	Description
NBCB400300AO	I/O shield
VK00000700A9	SATA cable
VK00002600A9	SATA power cable
NAAAQ00200D	Heatsink w/o FAN

*All specifications and photos are subject to change without prior notice

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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