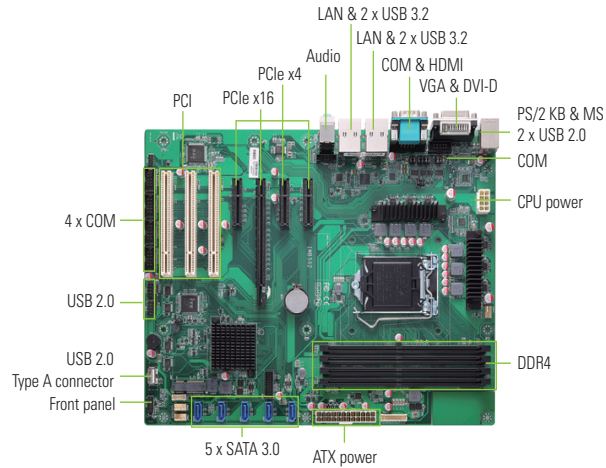


IMB502

ATX Motherboard with LGA1151 Socket 7th/6th Gen Intel® Core™ Processor, Intel® Q170, USB 3.2 Gen1x1, SATA 3.0, Dual LAN, VGA, DVI-D and HDMI

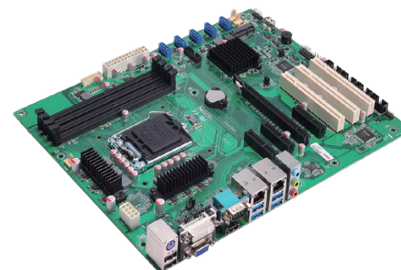
Features

- LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3, Pentium® & Celeron® processor (Kaby Lake/Skylake)
- Four 288-pin DDR4-2400/2133/1866 DIMM for up to 64GB of memory
- VGA, DVI-D and HDMI with triple-view supported
- 5 SATA-600 with RAID 0/1/5/10
- 6 USB 3.0 and 7 USB 2.0



Core System

CPU	LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3, Pentium® & Celeron® processor
System Memory	4 x 288-pin DDR4-2400/2133/1866 DIMM, up to 64GB
Chipset	Intel® Q170
BIOS	AMI BIOS
SSD	N/A
Watchdog Timer	255 levels, 1 to 255 sec.
Expansion Interface	1 x PCIe x16 slot 3 x PCIe x4 slot 3 x PCI slot
Battery	Lithium 3 V/ 220 mAh
Dimensions	305 x 244 mm
Board Thickness	1.6 mm
Operating Temperature	0°C to +60°C (+32°F to +140°F)
Humidity	10% to 95% relative humidity, non-condensing



▲ Side view

Display

Graphic	Intel® HD Graphic
Memory Size	Share system memory
Display Interface	1 x VGA 1 x DVI-D 1 x HDMI

I/O

SATA	5 x SATA-600 with RAID 0/1/5/10
Hardware Monitoring	Detect CPU/system temperature, voltage and supports Smart fan control
Ethernet	1x 10/100/1000 Mbps Ethernet with Intel® I219-LM; supports Wake-on-LAN, PXE Boot ROM, iAMT 1x 10/100/1000 Mbps Ethernet with Intel® I210-AT; supports Wake-on-LAN, PXE Boot ROM
Audio	HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC897
USB	6 x USB 3.2 Gen1x1 (5Gbps) (4 ports on rear I/O; 2 ports on internal box header) 7 x USB 2.0 (2 ports on rear I/O; 4 ports on internal pin-header; 1 port USB Type A connector onboard)
Serial	5 x RS-232 (Internal box header) 1 x RS-232/422/485 (COM 1: rear)
PS/2 Combo Port	1 x PS/2 keyboard and mouse
TPM	N/A
SMBus	Yes
Digital I/O	8 channels programmable

Ordering Information

Standard	
IMB502 (P/N: E38F502101)	ATX motherboard with LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3, Pentium® & Celeron® processor, Intel® Q170, USB 3.2 Gen1x1 (5Gbps), SATA 3.0, 2 GbE LAN, VGA, DVI-D, and HDMI

Optional	
5938A808010E	2 x USB 2.0 cable with bracket, P=2.54 mm, L=190 mm
5938A808020E	2 x USB 2.0 cable with bracket, P=2.54 mm, L=400 mm
5948C122800E	2 x USB 3.2 Gen1x1 (5Gbps) cable with bracket, L=400 mm
593826A0000E	SATA signal cable/red, L=500 mm
59384500100E	Audio cable with bracket, P=2.0 mm, L=450 mm
59380402010E	1 x COM port cable with bracket, P=2.54 mm, L=300 mm
59380703000E	2 x COM port cable with bracket, P=2.54 mm, L=300 mm

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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