

ADE-60B2

High price-performance powered by Intel® Coffee Lake-S processor line, PCH 300 series (Q370)



Features

- Design for industrial PC applications
- 4 USB 3.1 (Gen2) ports

Specifications

CPU	Intel® Coffee Lake-S Processor line
	- Intel® Core i7-8700 processor
	- Intel® Core i7-8700T processor
	- Intel® Core i5-8500 processor
	- Intel® Core i5-8500T processor
	- Intel® Core i3-8100 processor
	- Intel® Core i3-8100T processor
	- Intel® Pentium Gold G5400 processor
	- Intel® Pentium Gold G5400T processor
- Intel® Celeron G4900 processor	
- Intel® Celeron G4900T processor	
BIOS	AMI UEFI BIOS with 256Mb SPI Flash ROM to support AMT 12.0
Chipset	Intel® PCH 300 series (Q370)
I/O Control	ITEIT8785EX-I
System Memory	Dual-Channel DDR4 SO-DIMM , support DDR4(1.2V) 2133/2400 MT/s
Storage	4 x SATA 3.0
Watchdog Timer	Reset; 1 sec.~255 min. and 1 sec. or 1 min./step
Wake on	Wake on Lan/time/USB/power button
H/W Status Monitor	Monitor CPU and system temperature, voltage status and fan speed.
TPM	INFINEON , SLB9665TT2.0
Battery	Mitsubishi CR2032, 220mAh
Expansion	One PCIe16 slot (PCIe Gen3), can operate at 2.5 GT/s, 5 GT/s, or 8 GT/s

External I/O

LAN	2 x RJ-45 LAN Port(with two LED indicators); COMBO jack with 2 x USB ports (USB 3.1)
USB	4 x USB3.1 (10 Gbps) – type A
Audio	3 x Audio Jacks for MIC-input, Line-out and Line-input
Display Port	2 x Display Port connector upright type (DP1.2)
HDMI	1 x HDMI connector right angle type (V1.4a)
COM	1 x RS-232/422/485 D-SUB 9-Pin Ports for COM1 , BIOS selection 1 x RS-232 D-SUB 9-Pin Ports for COM2

Internal I/O

XDP	PCB reserve (Debug)
SATA	4 x SATA3.0 (6 Gb/s)
PCB Buzzer	Standard PC buzzer on board
USB	2 x (2 x 5) 2.54mm pin-header , supports 4 x USB 2.0 2 x (2 x 5) 2.54mm pin-header, supports 2xUSB 3.0 (5 Gbps)
GPIO	1 x (2 x 5) 2.00mm box-header (voltage level 3.3V)
Mini PCIe	1 x half size for connectivity
M.2	1x M.2 (key M), 2280
Audio	1 x (1 x 4) 2.0mm pin-header for Speaker with 2W + 2W amplifier
Serial	2 x RS-232 pin-header 2.0mm

Display

Graphics	Intel® Gen 9 LP (generation 9 Low Power) graphics core
Display Interface	Display Port 1.2, HDMI 1.4 and LVDS
Resolution	LVDS 1920x1080 @ 60Hz, 24bpp
	HDMI 3840x2160 @ 60Hz, 24bpp
	DP 3840x2160 @ 60Hz, 24bpp

Power Supply

Power Type	24-pin ATX Power connector, 4-pin ATX 12V power connector
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Ethernet

Controller	LAN1: Intel® I219LM(Jacksonville) 10/100/1000 Gigabit Ethernet PHY with AMT11.0 LAN2: Intel® I211AT10/100/1000 Gigabit Ethernet Controller
Interface	IEEE 802.3 10BASE-T / 100BASE-TX / 1000BASE-T compliant

Audio

HDAC	Realtek®ALC269Q High Definition Audio Codec Intel® Smart Sound Technology (Intel® SST) DSP
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Operation System

OS	Windows 10 IOT (64 bit), Linux OS
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Environments / Certification

Compliance	ROHS 2.0 , WEEE, REACH
OP Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
OP Humidity	10%~90% relative humidity, no condensing
Dimension	6.69" x 6.69" (170mm x 170mm)