

ADE-60B1

High price-performance powered by Intel® Coffee Lake-S processor line, PCH 300 series (C246)



Features

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

Specifications

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| CPU | Intel® Coffee Lake-S Processor line <ul style="list-style-type: none">- 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 (C246) |
| 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

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| 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

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| 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

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

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| 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

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

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

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| 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) |