

AES-1263

Intel Alder Lake-N97 CPU Fanless Box PC DPHDMI, 2xGbE LAN, 3USB3/3USB2 2COM/4COM, Line-Out, DC-IN +9~36V



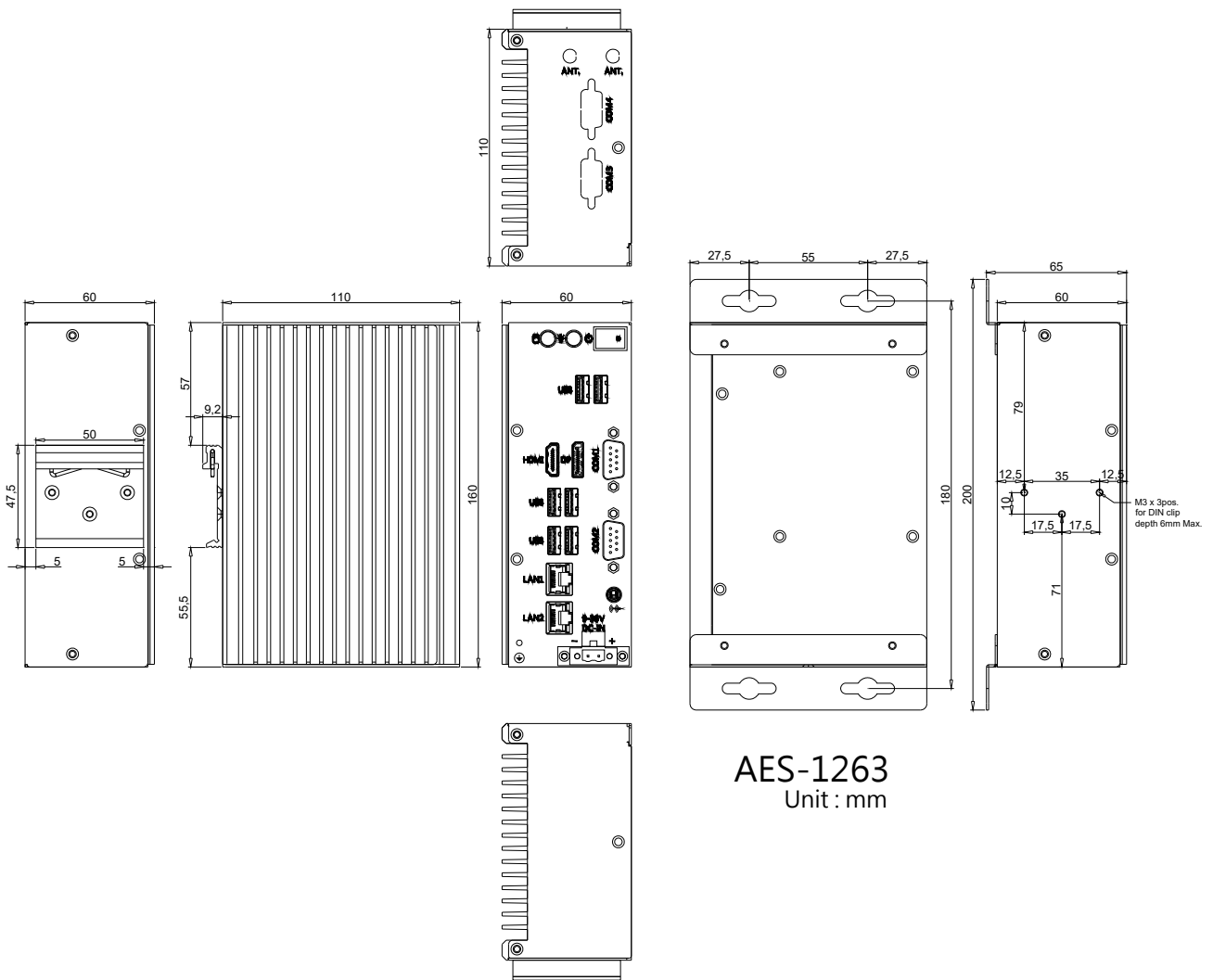
Features

- Intel Processor N97, 4 cores, 6MB Smart Cache, up to 3.6 GHz
- Supports DDR5 4800MHz, 1xSO-DIMM, up to 16GB system memory
- 2x HDMI, 2x Intel GbE LAN, 3x USB 3.1, 3x USB 2.0
- 2x COM, COM1/2 by RS-485/422/232, optional COM3/4 by RS-232
- 1x M.2 2280 M-Key, 1x M.2 2230 E-Key
- 1x M.2 3042/3052 B-Key PCIe Gen3x1, USB 2.0, SIM for 4G/5G
- DC +12~36VDC input, optional 60W(12V/5A) power adapter
- Supports Microsoft Windows 10 IoT 64bit
- Designed for extreme operating environment as outdoor applications

Specifications

AES-2360 Series Key Features		AES-1263-M0G00P0
Processor System	CPU Max. Speed	Max Turbo Frequency up to 3.6GHz
	L2 Cache / Core	6MB Intel Smart Cache, 4-Core
	CPU/ TDP	N97 / 10W
	BIOS	AMI SPI 256Mbit
	Graphics Processor	Intel UHD Graphics
Security	TPM	Onboard TPM 2.0 (Infineon SLB9670VQ2.0)
Expansion Slot	M.2 M-Key	1 x M.2 M-Key 2280 (PCIe Gen3 x1 and SATA3)
	M.2 B-Key	1 x M.2 B-Key 3042/3052 (PCIe Gen3x1, USB 2.0, SIM for 4G/5G)
	M.2 E-Key	1 x M.2 E-Key 2230(PCIe x1/USB 2.0) for Wireless
Memory	Specification (SO-DIMM)	1 x DDR5 4800MHz SO-DIMM (option up to GB)
	System Memory	W/O memory
Graphics	HDMI	1 x HDMI 2.0b, maximum resolution up to 4096x2160@60Hz
	DP	1 x DP 1.4b, maximum resolution up to 4096x2160@60Hz
Ethernet	LAN Gigabit Controller	2 x GbE LAN (Intel I210AT)
Storage	M.2 M-Key	1 x M.2 M-Key 2280 (PCIe Gen3 x1 and SATA3 SSD)
	M.2 B-Key	1 x M.2 B-Key 4042/3052 (PCIe Gen3 x1, USB 2.0, SIM for 4G/5G)
	2.5" SATA Driver	1 x 2.5" SATA HDD/SSD (option)
System I/Os	Power-On Button	1 x Moment button switch to turn-on system
	System Power LED	1 x LED for system power status
	HDD LED	1 x LED for HDD/SSD data access status
	HDMI	1 x HDMI
	DP	1 x DP
	Ethernet	2 x RJ45
	USB Type A	3 x USB 3.2(Gen 2), 3 x USB 2.0
	COM1 Port	1 x DB9 (RS-232/422/485 with 5V/12V selectable)
	COM2 Port	1 x DB9 (RS-232)
	System Power Input	1 x DC-IN by 2-pin connector
Optional I/Os	COM3/4 Ports	2 x DB9 (RS-232)
	Audio	1 x Audio port (Line-out), Realtek ALC897 by Headphone Jack
	Antenna	2 x Antenna
Operation System	Windows 64-bit	Win 10/11 IoT 64-bit
	Linux 64-bit	Ubuntu 22.04.3 LTS
Watchdog Timer	Output and Interval	System reset, programmable 1 ~ 255 sec/min; 1 sec. or 1min. /step
Power Requirement	DC Input	9~36Vdc input (option DC12V/5A 60W adapter)
Environment	Operating Temperature	0°C ~ 50°C(32°F ~ 122°F) w/0.7 m/s air flow
	Storage Temperature	-40 ~ 85°C (-40°F ~ 185°F)
Physical Size	Dimensions	160mm(H) x 110mm(D) x 60mm(W)
Packing Size	Dimensions (Single)	Single Packed: 240mm(W) x 150mm(D) x 160mm(H)
	Dimensions (Bulk)	Bulk Packed(10 pcs): 550mm(W) x 420mm(D) x 330mm(H)
Weight	N.W / G.W.	Single packed: 1.1Kg / 1.5Kg, Bulk packed: 16Kg
Certifications	EMC	CE/FCC to be available soon

Dimensions Outlook



Ordering Information

Part Number	CPU	HDMI	2.5GbE	USB 3.1	USB 2.0	COM	DDR5 RAM	M.2 M-Key 2280	60W 12V/5A PSU
AES-1263-M0M00P0	N97	2	2	2	6	2	Option	Option	Option
AES-1263-M8NA8P0	N97	2	2	2	6	2	8GB	128GB PCIe2	Option
AES-1263-M8NB6P0	N97	2	2	2	6	2	8GB	256GB PCIe2	Option
AES-1263-M8NA8P1	N97	2	2	2	6	2	8GB	128GB PCIe2	60W 12V/5A

Optional Items

Part Number	Description
SODIMM-DDR5-M8	DDR5 SO-DIMM 4800MHz 8GB
M2-NA8(2280)	M.2 2280 128GB NVMe M-KEY (PCIe1)
M2-S8A(2280)	M.2 2280 128GB SATA3 M-KEY
AC-9260	M.2 2230 (E-KEY) Wi-Fi Module, Intel AC9260 802.11abgn + Bluetooth 5.0, dual band 2T2R
DHAN3-60W-2P	AC-DC 60W Adapter, 90V-264Vac input by C14 socket, DC 12V@5A output with 2-pin phoneix connector
AES-DRC050-01	DIN Rail Clip of AES-1021/1030/1061 series
AES-WM-BK	AES Wall Mount Kits with Screws