

Features

- Motherboard: MX610HD Mini ITX Motherboard Inside
- LGA 1700 socket supports Intel® Alder Lake Core™ i9, i7, i5, i3, Pentium, Celeron Processor, up to 35W TDP CPU
- Intel® Integrated UHD Graphic with Xe Architecture (CPU Dependent)
- 2 x SODIMM sockets support Dual Channel DDR5 4800MHz up to 64GB
- Intel® H610E PCH, x4 Gen4 DMI
- 1 x HDMI, 1 x DP++, 2 x USB 3.0, 2 x USB 2.0
- Intel® I225-V 2.5GbE LAN
- 12V - 24V Wide Range DC-in
- Thin and Compact 8.587" L x 8.00" W x 2.166" H
- Optional COM port(s) at rear I/O



Specifications

System	
CPU	LGA 1700 socket supports Intel® Alder Lake Core™ i9, i7, i5, i3, Pentium, Celeron Processor, up to 35W TDP CPU
System Chipset	Intel® H610E PCH
DMI	x4 Gen4 DMI
System Memory	2 x SODIMM sockets support Dual Channel DDR5 4800MHz up to 64GB
BIOS	AMI uEFI BIOS, 256Mb SPI Flash ROM
Ethernet	LAN 1: Intel® I219-LM Gigabit Ethernet Controller LAN 2: Intel® I225-V 2.5 Gigabit Ethernet Controller
Audio	Realtek HD Audio support 7.1 channel sound playback
Expansion	1 x M.2 M-Key 2242/2280 NVMe (PCIe x4 + SATA III) 1 x M.2 E-Key 2230 with CNVi Support (PCIe x1 + USB 2.0)
TPM	TPM 2.0
OS Support	Windows 10/11
Display	
Chipset	Intel® Integrated UHD Graphic with Xe Architecture (CPU Dependent)
Resolution	1 x HDMI 2.0b 4K@60Hz 1 x Dual Mode DisplayPort 1.2a 4K@60Hz 18/24-bits Dual Channel LVDS, optional eDP
Multi-Display	Supports Three Independent Displays

External I/O - Front

USB	2 x USB 2.0
Power	1 x Power Button with LED
Other	1 x Reset Switch

External I/O - Rear

Display	1 x HDMI 1 x DP++
USB	2 x USB 3.2 Type A 2 x USB 2.0 Type A
LAN	2 x RJ45
Audio	Line-out, Mic-in
DC-in	1 x DC-In
COM Port	Optional COM port(s) at rear I/O

Mechanical & Environment

Power Type	12V-24V Wide Range DC-In
Power Adapter	Input: 100-240 Vac/50-60Hz Output: 120W Adapter (19V @ 6.32A)
Operating Temp.	0 ~ 35°C (32 ~ 95°F)
Storage Temp.	-20°C ~ 80°C (-4°F ~ 176°F)
Operating Humidity	10% ~ 86% Relative Humidity, Non-condensing
Dimensions	8.587" L x 8.00" W x 2.166" H (218.18mm L x 203.20mm W x 55.01mm H)
Certification	CE, FCC Class A, RoHS Compliant

Ordering Info

BI270-610HD	Intel® H610E Industrial Computer, Power Adapter
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* All product specifications and images are subject to change without notice. Last update: 06/10/2022