MX1-10FEP – Expandable Fanless Embedded System

The MX1-10FEP is powered by Intel's Coffee Lake platform supporting Xeon and Core i-series processors. With OCP/OVP power protection and expandable design, this compact PC is the perfect solution for any complex embedded application.

SPECIFICATIONS

CPU	8th and 9th Generation Intel® Xeon and Core i3 / i5 / i7 Processors
CPU Socket	LGA 1151
Memory Type	260-pin DDR4 2666MHz SO-DIMM, ECC compatible with Xeon Processor
Memory Slots	2
Maximum Memory Supported	64GB
Chipset	C246
Integrated Graphics	Intel® HD Graphics
Video	1 x DP, 1 x HDMI, 1 x DVI-I
TPM	Nuvoton NPCT750AAAYX TPM 2.0
Extended Interface	1 x M.2 M-Key (2242 / 2260 / 2280), 1 x M.2 E-Key (2230), 2 x Mini PCIe Full/Half w/ SIM Card holder, 1 x PCIe x16
Rear I/O	1 x 3-pin Terminal Block Power Input, 4 x SMA Antenna (Optional for WiFi/LTE function), 1 x Line-out, 1 x 2-pin Terminal Block Remote Power on / off, 1 x 2-pin Terminal Block Remote Power reset, 1 x 4-pin Terminal Block External Fan Connector, 4 x USB 3.1, 2 x USB 2.0, 2 x RJ-45 , 1 x DP, 1 x DVI-I, 1 x PS/2, 2 x COM, 1 x Mic-in
Front I/O	2 x USB 3.0, 1 x HDMI, 2 x SIM Card Slot w/ Cover
Audio	Realtek ALC662
Power Requirement	DC input 9 ~ 48V (terminal block)
Dimensions	10.6" x 9.7" x 4.3" (268mm x 246mm x 108mm)
Operating Temperature	35W TDP Processor: -40°C to 70°C / 51~65W TDP Processor: -40°C to 50°C / 71~80W TDP Processor: -40°C to 40°C / with 0.7m/s Air Flow and Wide Temperature Memory/Storage

Relative Humidity	10 ~ 90% (non-condensing)
OS Software Supported	Windows 10 64-bit, Linux by request only
Vibration	Operating: 5 Grms, 5-500 Hz, 3 Axes (w/ SSD, according to IEC60068-2-64)
Shock	Operating: 50 Grms, Half-sine 11 ms Duration (w/ SSD, according to IEC60068-2-27)
Global P/N / SKU	1708265

Ordering Options

MX1-10FEP-C246 (SKU# 1708265): Fanless Embedded System With Modular Expansion* *Note: Base model does not include DC power adapter. Can be configured with 220W or 300W power adapter. System can also be expanded with COM, LAN, or PoE Modules. Please contact sales for more information.