898.00 EUR
incl. 19% VAT, plus shipping

- Intel Coffee Lake C246 !
- 2x Gigabit LAN !
- 2x RS232/422/485 !
- Modular !

Support: Specifications | Expansion modules

MiTAC's MX1-10FEP Fanless Embedded System with support for Intel® Coffee Lake Xeon / Core-i Powerful Processor is the next generation embedded system with Intel® Coffee Lake C246 workstation chipset which can support Xeon and Core-i LGA1151 socket type processor. The excellent performance, powerful processor, OCP/OVP power protection, and expandable design provide the solution for every complicated task and most types of application.

The MX1-10FEP's 7.8 liter fan-less chassis design and expandable module design give it the possibility to implement the complicated tasks and for every workspace and environment. VESA mount holes allow for space-saving and rear-mounting on VESA arms. Flexibilities also mean a rich array of I/O ports (including 2 x Ethernet RJ45, 8 x USB, 1 x HDMI, 1 x DVI-I, 1 x DisplayPort, 2 x COM, PCIe X16 slot, 3PIN Terminal Block Power Input, and 3 x Expansion doors) to add a variety of peripherals. Storage expandability is supported for 3 x high-density hard drives in 2.5" HDD bracket design. Two mPCIe (shared with mSATA) slots provide the support of SSD and wireless interfaces which allow effortless connection to Wi-Fi and Bluetooth networks, and 4G connectivity. DIO/COM/LAN/PoE/Power Ignitoin expansion modules extend the capability and possibility to be used in more applications.

Optional Modules
MS-48CDN-DT10 Expansion Module with 4 x RS232 / 422 / 485, 8-bit Isolated DIDO (4 x DI, 4 x DO)
MS-04LAN-R10 Expansion Module with 4 x Intel i210-IT Giga LAN, RJ45 Port
MS-04LAN-M10 Expansion Module with 4 x Intel i210-IT Giga LAN, M12 Port
MS-04POE-R10 Expansion Module with 4 x PoE+, Intel i210-IT Giga LAN, RJ45 Port
MS-04POE-M10 Expansion Module with 4 x PoE+, Intel i210-IT Giga LAN, M12 Port
ME-02POE-R10 Expansion Module with 2 x PoE+, Intel i210-IT Giga LAN, RJ45 Port
MS-01IGN-S10 Vehicle Power Ignition Card, 12V/24V and Power ON/OFF Timing Selectable

MX1-10FEP (MX1-10FEP) Specifications

MECHANICAL	THERMAL DESIGN	Fanless
	MOUNTING	Wallmount
	DIMENSIONS (W X D X H)	10.6” x 9.7” x 4.3” (268 x 246 x 108 mm)
	WEIGHT	6kg
SYSTEM	CPU	8th Gen Intel® Coffee Lake Xeon / Core-i LGA1151 Socket Processor, TDP Max. 80W
	CHIPSET	Intel® C246
	SYSTEM MEMORY	Max. 32GB (Xeon: ECC / Non-ECC; Core-i: Non-ECC) / DDR4 2666MHz / 2 x 260-pin SO-DIMM
	GRAPHICS	Intel® HD Graphics
	DISPLAY INTERFACE	DisplayPort 1.2 / DVI-I / HDMI 1.4
	STORAGE SLOT	3 x 2.5 HDD / SSD (1 w/ Removable HDD Bay, 2 w/ Internal HDD Bracket) / 2 x mSATA / 1 x M.2 M Key SSD
	ETHERNET	Intel® I219-LM Giga LAN + I210-IT Giga LAN
	AUDIO	Realtek® ALC662
	I/O CHIPSET	Nuvoton NCT6116D
	EXPANSION SLOT	Storage: M.2 2280 / 2260 / 2242 M key (PCIe, SATA) / PCIe 3.0 X16 slot / Storage/LTE/Wireless: 2 x mPCIe Full / Half size (USB / PCIe / SATA), w/ SIM Card Holder / Wireless: M.2 2230 E key (PCIe, USB)
	INTERNAL SPEAKER	1 x Buzzer
	INDICATOR	DIO LED / LAN1 & 2 ACT / SPEED / Power LED / HDD LED
	FRONT I/O	1 x HDMI 1.4 / 2 x USB 3.0 / 2 x SIM Card Slot w/ Cover / 1 x 2.5" SATAIII HDD / SSD Bay
	REAR I/O	1 x DisplayPort 1.2 / 1 x DVI-I / 2 x RJ-45 / 4 x USB 3.1 Gen 2 (10 Gbps) / 2 x USB 2.0 / 1 x PCIe x16 slot / 1 x 2-pin Terminal Block Remote Power Reset / 1 x 3-pin Terminal Block Power Input / 1 x 4-pin Terminal Block External Fan Connector / 1 x 2-pin Terminal Block Remote Power on / off / 4 x SMA Antenna (Optional for WiFi/LTE function)
POWER REQUIREMENT	POWER INPUT	9~48V Wide Range DC Input w/ Terminal Block Connectivity
	POWER ADAPTER	Optional

ENVIRONMENTAL	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
	OPERATING HUMIDITY	10% ~ 90% R/H (Non-condensing)
	VIBRATION RESISTANCE	Operating: 5Hz~500Hz / 5Grms / 3Axis (w/ SSD, according to IEC60068-2-64)
	SHOCK RESISTANCE	Operating: 50 Grms, Half-sine 11 ms Duration (w/ SSD, according to IEC60068-2-27)
	CERTIFICATION	CE / FCC Class A / E-mark / EN50155
OS	OS SUPPORT	Windows® 10 64-bit / Linux (support by request)
PACKING LIST	PACKAGE	1 x Driver CD / 1 x Quick Installation Guide / 1 x Embedded System / 1 x CPU Cooler (passive) / 1 x Wall Mount Brackets (2PCS in 1 set) / 1 x 3 pin Terminal Block Power Connector / 1 x 4 pin Terminal Block Male Connector / 2 x 2 pin Terminal Block Male Connector / 1 x DVI to VGA converter / 1 x 30 cm SATA & SATA PWR Cable