



FEATURES

- 12th/13th/14th Gen Intel® Core™ i3/i5/i7/i9, Celeron® processor
- Dual SODIMM for up to 64GB DDR5 non-ECC memory (depending on CPU)
- 1x HDMI 2.0, 5x DisplayPort
- 1x M.2 E-key supporting 1630 or 2230 for Wi-Fi/Bluetooth module, 1x M.2 M-key supporting 2242 or 2280 for SATA/PCIe storage module, 1x M.2 M-key supporting 2242 or 2280 for NVMe & frame grabber
- Reliable Molex 24V DC-in connector
- 2x 2.5GbE Intel® I225-LM Ethernet Controller

MBC-12001	
PROCESSOR	12th/13th/14th Gen Intel® Core™ i3/i5/i7/i9, Celeron® processor
CHIPSET	Intel® Q670E Chipset
MEMORY	Non-ECC DDR5 4800MHz, 2x SO-DIMM, up to 64GB
DISPLAY	1x HDMI 2.0, 5x DisplayPort
ETHERNET	2x 2.5GbE (Intel® I225-LM)
SERIAL PORTS	1x RS-232/422/485, 1x RS-232
USB	[Front] 1x USB 3.2 gen 2 Type A [Rear] 2x USB 3.2 Gen 2 Type A, 4x USB 3.2 Gen 1 Type A, 1x USB 3.2 Gen1 Type C
M.2	1x M.2 E-key supporting 1630 or 2230 for Wi-Fi/BT module 1x M.2 M-key supporting 2242 or 2280 for PCIe/SATA for storage 1x M.2 M-key supporting 2242 or 2280 for PCIe Gen 4 x4 for NVMe & frame grabber
SATA/PCIe	2x 2.5" SATA 6Gb/s external drive bays, 1x M.2 2242/2280 M key support SATA/PCIe gen 3 x 3 to support storage, 1x M.2 2242/2280 M key support PCIe gen 4 x 4 to support storage
DIGITAL IO	1x DI/DO with 4 in, 4 out
AUDIO	Default: Mic in & line out, Option: L/R speaker-out (2W + 2W), Mic-in
EXPANSION SLOT	2x PCIe Gen 3 x4 expansion slot for full height half-length add on card, Total max supports 25W power budget and additional Molex 4 pin power cable (12V/4.17A) support
TPM 2.0	Default: TPM, w/o TPM
VIBRATION	Operating vibration: 2Grms, 5-500Hz, 3 axes, Package (NON-OP) vibration: 3.44Grms, 10-1000Hz, 3 axes (W/MXM, W/SSD)
MOUNTING	Optional wall-mount bracket
DIMENSIONS	280 x 198 x 150 mm (W x D x H, without foot pads)
DC INPUT	DC 24 input (Molex DC-in jack)
AC INPUT	450W (24V/18.75A) AC/DC Medical grade adapter
OPERATING TEMPERATURE	0°C to 40°C
STORAGE TEMPERATURE	-20°C to 70°C
HUMIDITY	5% to 95%, non-condensing
EMC	EN55032/35, CE, FCC
SAFETY	UL/cUL and CB (62368-1:2014)
MEDICAL GRADE	Compliant with IEC 60601-1:2005 + A1:2012 + A2:2020 (3.2 edition) / IEC 60601-1-2:2014 + A1:2020 (4.1 edition)
WARRANTY	2 Years