

MXC-6600 Series

Fanless Embedded PC with Intel® Xeon® or Core™ i7/i5/i3
9th/ 8th Gen. CPU

BRESSNER
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Features

- Intel® Core™ / Xeon® 9th/8th Gen. CPU
- DDR4 2,400MHz RAM up to 32GB
- Mobile Intel® CM246 chipset
- 2x DisplayPorts, 1x HDMI, 2x GbE, 6x COM and many more
- Operating temperature: -20° ~ 70 °C



MXC-6600 Series – 8th / 9th Gen. Intel® Core™ / Xeon® Power

The fanless embedded computing series MXC-6600, which contain the Intel® Core™ processor of the 8th or 9th generation, offer an expandable interface for a variety of industrial applications. The MXC-6600 series combines high-performance computing, scalable functional and I / O improvements and reliability in industrial quality on a compact fanless platform and offers reliable long-term operation for performance-critical applications in industrial automation, edge computing, surveillance as well as for smart cities. The Embedded PC series consists of a classically robust design. The fanless embedded PCs support up to 32GB DDR4 RAM and are therefore ideal for computing-intensive tasks.

High performance for industrial requirements

The embedded systems combine outstanding performance with extensive connectivity while being easy to use. The robust housing enables use under harsh conditions. With the use of an Intel® Core™ i3, i5 or i7 processor of the eighth or ninth generation, high-performance with minimum power consumption is the focus of the embedded computer. Paired with unique image and video processing and efficient remote monitoring, the MXC-6600 series meets the requirements for use in critical applications with the highest standards of reliability. Proven areas of application in the industrial environment can be found, among other things, in machine vision, motion sensors and system monitoring.

Flexible connection options and high resistance

The MXC-6600 series offers two independently functioning DisplayPorts for each model, including HDMI connection and is therefore also best suited for e.g. digital signage scenarios. In addition to 32GB DDR4 RAM, two SATA III HDD or SSD hard drives can also be installed. Temperature fluctuations in the extended temperature range (with industrial storage devices) as well as shocks and vibrations the industrial computers withstand without any problems. The series can be operated with power supplies in a voltage range of 9-32V and thus offers flexibility for different application scenarios. Four USB 3.1 ports and four USB 2.0 ports on the front as well as six COM ports offer plenty of I/O for additional devices.

Optional Accessories	
2.5" SSD, HDD, M.2, CFast Storage	
MXC-6600 Fan Kit	P/N: 91-95267-00xx
Additional 2x 2.5" SATA expansion kit	P/N: 91-95270-00xx
Wireless Module	Wi-Fi, BT, 3G, 4G LTE, LoRa wireless kit (w/ antenna)
AC/DC Adapter 280W	P/N: 31-62162-10xx
AC/DC Adapter 220W	P/N: 31-62149-00xx

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9th/ 8th Gen. CPU

Specifications	MXC-662XMXC-664X	MXC-6621MXC-6641	MXC-6622MXC-6642	MXC-6623MXC-6643
SYSTEM				
CPU	Intel® Xeon® E-2276ME 45W 6-core, up to 4.5GHz	Intel® Core™ i7-9850HE 45W 6-core, up to 4.4GHz	Intel® Core™ i5-8400H 45W 4-core, up to 4.2GHz	Intel® Core™ i3-9100HL 25W 4-core, up to 2.9GHz
Chipset	Mobile Intel® CM246			
RAM	Up to 32GB DDR4 2.400MHz, dual SODIMMs Optional: 8, 16, 32GB DDR4 ECC 2.400MHz (Xeon® and i3 support ECC)			
Storage	Up to 4x internal 2.5" HDD / SSD (supports RAID 0, 1, 5, 10) 1x CFast type II slot			
AMT	Intel® iAMT support			
TPM	TPM 2.0			
Expansion	MXC-6620 series: PCIe x16 + PCIe x4 (Total up to 150W) MXC-6640 series: PCIe x16 + 2 PCIe x4 + PCI (Total up to 150W with 12V in; total up to 250W with 24V in) 1x Full size mini PCIe (USB 2.0 + PCIe) 1x M.2 socket 2, key B+M or B, 2280/3042: USB 3.1 Gen1, SATA 6 Gb/s and PCIe x2 2x USIM (1x for mini PCIe and 1x for M.2)			
Operating System	Win10 IoT Enterprise CBB 64-bit Linux Ubuntu 18.04			
INTERFACE				
Ethernet	2x Intel® GbE: 1x i211AT + i219			
USB	4 x USB 2.0 ports 4 x USB 3.1 ports 1x USB 2.0 port (internal)			
COM	COM 1/2: 2x RS-232/422/485 COM 3/4/5/6: 4x RS-232			
Digital I/O	8-Ch DI and 8-Ch DO			
Video	1x HDMI + 2x Display Port++			
Audio	1x Mic-in and 1x Line-out (Speaker-out optional)			
ENVIRONMENTAL				
Cooling	Fanless Optional MXC-6600 fan kit			
Power Supply	DC input: 9 ~ 32V (±10% tolerance) AC input: 220W or 280W AC/DC adapter (optional)			
Remote Control & LED	5x user defined LEDs			
Operating Temperature	Standard: 0° ~ 50°C with airflow Extended: -20° ~ 70°C (only support single SODIMM) -20° ~ 60°C (with dual SODIMMs)			
Storage Temperature	-40° ~ 85°C (excluding storage)			
Vibration / Shock Resistance	Vibration: Operating: 5 Grms, 5-500 Hz, 3 axes (w/ SSD/CFast) Operating: 0.5 Grms, 5-500 Hz, 3 axes (w/ HDD) Shock: Operating: 100 Grms, half sine 11ms duration (w/ SSD/CFast)			
Humidity	~95% @ 40°C, non-condensing			
Dimensions	MXC-6620 series: 165 (W) x 240 (D) x 210 (H) mm MXC-6640 series: 206 (W) x 240 (D) x 210 (H) mm			
Weight	MXC-6620 series: 4.6 kg MXC-6640 series: 4.9 kg			
Mounting	Wallmount			
Certifications	Safety: UL/cUL, CB EMC: EN61000-6-4/-2, CE & FCC Class B with AC/DC adapter ESD: Contact ±8KV, Air ±15KV			