



MS-C903 – Compact Wide Voltage Box PC with Intel® Tiger Lake



This compact and fanless Tiger Lake box PC offers both wide operating temperature and wide voltage in a low TDP package. With anti-vibration and shockproof designed to IEC 61373 compliance, the MS-C903 is a great option for industrial automation, in-vehicle and other applications requiring a rugged PC.

SPECIFICATIONS

CPU	Intel® Core i3-1115G4E, Core i5-1145G7E or Core i7-1185G7E
Memory Type	260-pin DDR4 3200 MHz SO-DIMM
Memory Slots	2
Maximum Memory Supported	64GB
Integrated Graphics	Intel Iris Xe Graphics (For i5/ i7) Intel UHD Graphics (For i3)
Audio	Realtek ALC888S-VD2-GR
Video	1 x HDMI 1.4 (up to 4096 x 2160 @30Hz), 1 x DP (up to 7680 x 4320 @60Hz)
Watchdog Timer	256 levels
LAN Ports	2 x Intel® i225-LM GbE
TPM	Yes, Infineon SLB9670VQ2.0/FW7.85
Extended Interface	1 x M.2 M-Key (2280, PCIe Gen4 x4 NVMe), 1 x M.2 B-Key (2242/3042, SATA 3.0, PCIe x1, USB 2.0, w/NANO SIM-Holder), 1 x M.2 E-Key (2230, PCIe x1, USB 2.0)
Front I/O	2 x RJ45, 4 x USB 3.2 Gen2, 1 x HDMI, 1 x DP, 4 x Antenna, 1 x CANbus (optional), 1 x DIO, 1 x DC-in 12-24V
Rear I/O	1x Mic-in, 1 x Line-out, 4 x USB 2.0, 4 x COM (COM 1-4 RS232/422/485, 0V/5V/12V), 2 x Antenna
Storage	1 x 2.5" SSD Bay
Power Requirement	DC-in 12V~24V Wide-Range (OCP & OVP) Phoenix pluggable connectors with latch (V+, V-)
Dimensions	215 x 155 x 65 mm
Operating Temperature	0~50°C (w/SSD) Note: Thermal w/Airflow 0.7m/s
Storage Temperature	-20 ~ 80 °C
Relative Humidity	10 ~ 90% (non-condensing)
Vibration	IEC61373 Category 1, Class B
Shock	IEC61373 Category 1, Class B
OS Software Supported	Windows 10 IoT Enterprise 2021 LTSC (64-bit, 21H2), Windows 11 IoT Enterprise (64-bit, 22H2, Pre-scan), Linux Ubuntu 22.04 (64-bit) (by request)
Certification	CE, FCC Class B, VCCI, RCM, UKCA, BSMI
Global P/N / SKU	1708579

Ordering Options

1708579A: MS-C903 with Core i3-1115G4E 1708579B: MS-C903 with Core i5-1145G7E 1708579C: MS-C903 with Core i7-1185G7E

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