



Specifications

System Mainboard	MBD663
CPU	13th/12th Gen Intel® Core™ i / Celeron™ series (Raptor Lake PS / Alder Lake PS) processor TDP ≤ 28W
CPU Socket	LGA1700
Chipset	Integrated
Memory	2x DDR5 4800 SODIMM / Max. 64GB (without ECC support)
Graphics	Iris® Xe, up to 96EU
LAN	1x Gb LAN (Isolation/PXE support) (Intel® 226LM 2.5Gb with LAN Wakeup)
Expansion Slots	1x M.2 E-Key (2230) (WiFi-6E support) (2x PCI-E x1, USB 2.0) 1x M.2 B-Key (3052) (PCI-E x1, USB 2.0, USB 3.x) (supports Sierra LTE module). Refer to MBD603 1x UIM/SIM card slot 1x M.2 M-Key (2280) (PCI-E x4) 1x M.2 NVMe (PCI-E-3.0 x4 / SATA)
I/O Interface	1x HDMI 2.0 / 1x DP++ 1.4 / 1x DVI-D 3x USB 3.2 (USB Type-A) 1x USB 2.0 (USB Type-A) 1x RJ45 for Gigabit LAN 1x DB9 for RS232 serial port 2x Audio connectors for Line in/Line out 1x Power button 1x Power switch connector 1x Power jack (+12V DC) 2x LED for power & storage
Auto Control and Monitoring	Watchdog Timer: 256 segments, 0, 1, 2...255 (sec/min)
Power Requirement	+12V DC
Construction	Aluminum + SGCC
Weight	1.5 kg(3.3lbs)
Chassis Color	Black & White
Storage	1x M.2 M-key (2280)
Power Supply	150W power adapter
Mounting	Standard system bracket
Dimensions	175mm(W) x 212mm(D) x 37mm(H)
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F)
Storage Temperature	-20° ~ 80°C (-4°F ~ 176°F)
Relative Humidity	10%~90% (non-condensing)
Vibration	M.2: 5 grms / 5~500Hz / random operation
Certification	CE, FCC Class-B, cULus & CCC
Operating System	Windows 10 IoT Enterprise RS5 64-bit Ubuntu Linux 64-bit

Features

- iSMART intelligent energy-saving technology - enables power on/off scheduling and power resume functions
- Supports 13th/12th Gen Intel® Core™ processors
- 1x HDMI 2.0 / 1x DP++ 1.4 / 1x DVI-D
- 2x DDR5-4800 SO-DIMM, dual channel, Max. 64GB
- 1x M.2 B-Key (3052) for 5G connectivity
- 1x M.2 E-Key (2230) for WiFi, Bluetooth or capture card options
- TPM 2.0, vPro and watchdog timer
- Industrial-grade robust and compact design

Ordering Information

SI-663	Intel® Core™ i7-1265UL Processor, 2x 8GB DDR5 4800 SO-DIMM memory, M.2 256GB and 150W power adapter
SI-MK3	VESA bracket

Dimensions

