



Features

- iSMART intelligent energy-saving & Observer remote monitoring technologies
- 11th Gen Intel® Core™ U-Series Processors
- 4x HDMI 2.0 with independent audio output
- Built-in CEC and hardware EDID emulation functions with the software setting mode
- 2x DDR4-3200 SO-DIMM, Dual channel, Max. 64GB
- 1x M.2 B-Key (3042) for 4G LTE options
- 1x M.2 E-Key (2230) for Wi-Fi, Bluetooth or capture card options
- 1x M.2 M-Key (2280) for storage
- Supports Intel® iAMT(11.0), TPM 2.0 and watchdog timer
- Slim and segregated ventilation design

Specifications

System Mainboard	MBD654
CPU	11th Gen Intel® Core™ / Celeron® U-Series (TGL-U Platform) Processors
CPU Socket	BGA-1449
Chipset	SoC Integrated
Memory	2x DDR4-3200 SO-DIMM, Dual channel, Max. 64GB
Graphics	Gen12 integrated Graphics, Up to 96EU
LAN	1st: 1x Intel® I211AT/ I210AT 2nd: 1x Intel® I219LM (I7/I5) 1x Intel® I219V (I3)
Expansion Slots	1x M.2 E-Key (2230) 1x M.2 B-Key (3042) 1x UIM/SIM card slot
I/O Interface	4x HDMI 2.0 1x USB 2.0 (USB A-Type) 3x USB 3.1 @gen 2 (USB A-Type) 2x RJ45 for Gigabit LAN 1x RJ45 for RS232 serial port 1x Audio connector for Line-out 1x Power button 1x Power jack (+12V DC) 2x Power/HDD LED
Auto Control and Monitoring	Watchdog Timer: 256 segments, 0, 1, 2...255 (sec/min)
Power Requirement	+12V DC
Construction	Aluminum + SGCC
Weight	1.8 kg (3.7 lbs)
Chassis Color	Black & White
Storage	1x M.2 M-Key (2280) supports NVMe (PCI-E x4 / SATA)
Power Supply	84W power adaptor
Mounting	Standard system bracket
Dimensions	200.8mm(W) x 139.3mm(D) x 41.2mm(H) 7.90"(W) x 5.48"(D) x 1.62"(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, UKCA, cULus, LVD
Operating System	Windows 10 IoT Enterprise RS5(64-bit) Linux Ubuntu(64-bit)

Ordering Information

SI-654-I7	Intel® Core™ i7-1185G7E processor (12M Cache, up to 4.40 GHz), 2x 4GB DDR4-3200 SO-DIMM, M.2 128GB and 84W power adaptor
SI-654-I5	Intel® Core™ i5-1145G7E processor (8M Cache, up to 4.1 GHz), 2x 4GB DDR4-3200 SO-DIMM, M.2 128GB and 84W power adaptor
SI-654-I3	Intel® Core™ i3-1115G4E processor (6M Cache, up to 3.9 GHz), 2x 4GB DDR4-3200 SO-DIMM, M.2 128GB and 84W power adaptor
SI-MK3B	TV Mount

Dimensions

