

SI-642-N

Mid-Range Signage Player

8th Gen Intel® Core™ U-Series Processor Fanless Signage Player
with Intel® UHD Graphics 620 and one HDMI & DP



Features

- iSMART intelligent energy-saving & Observer remote monitoring technologies
- 8th Gen Intel® Core™ U-Series Processors
- 1x HDMI 2.0 + 1x Active DisplayPort 1.2 with independent audio output
- 2x DDR4-2400 SO-DIMM, Dual channel, Max. 32GB
- 1x M.2 B-Key (3042) for 4G LTE options
- 1x M.2 E-Key (2230) for Wi-Fi or Bluetooth card options
- 1x M.2 M-Key (2280) for storage
- TPM 2.0, vPro and watchdog timer
- Slim & compact fanless design

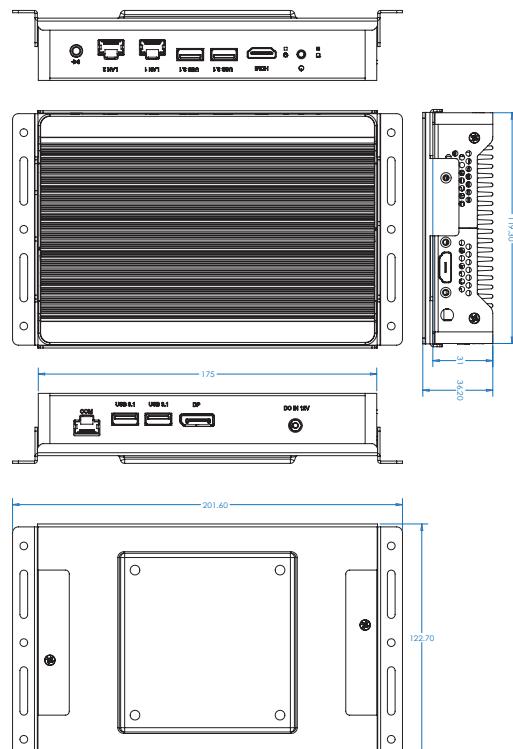
Specifications

System Mainboard	MBD642
CPU	8th Gen Intel® Core™ U-Series Processors TDP ≤ 25W
CPU Socket	FCBGA1528
Chipset	SoC Integrated
Memory	2x SO-DIMM DDR4-2400Hz, Dual channel, Max. 32GB
Graphics	Intel® UHD Graphics 620
LAN	1x Intel® I219LM Gigabit LAN 1x Intel® I211AT/ I210AT Gigabit LAN
Expansion Slots	1x B-Key (3042) 1x E-Key (2230)
I/O Interface	1x HDMI 2.0 1x DP 4x USB 3.1 (Gen2) 2x RJ45 for Gigabit LAN 1x RJ45 for RS232 serial port
Auto Control and Monitoring	Watchdog Timer: 256 segments, 0, 1, 2...255 (sec/min)
Power Requirement	+12V DC
Construction	Aluminum + SGCC
Weight	1 kg (2.20 lbs)
Chassis Color	Black & White
Storage	1x M.2 E-Key (2280)
Power Supply	60W power adaptor
Mounting	Standard system bracket
Dimensions	175mm(W) x 119.3mm(D) x 31mm(H) 6.88"(W) x 4.69"(D) x 1.22"(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, LVD
Operating System	Windows 10 IoT Enterprise RS5(64-bit) Linux Ubuntu(64-bit)

Ordering Information

SI-642-NT	Intel® Core™ i7-8665UE processor (8M Cache, up to 4.40 GHz), 2x 4GB DDR4-2400 SO-DIMM, M.2 128GB and 60W power adaptor
SI-642-N8365T	Intel® Core™ i5-8365UE processor (6M Cache, up to 4.10 GHz), 2x 4GB DDR4-2400 SO-DIMM, M.2 128GB and 60W power adaptor
SI-642-N8145T	Intel® Core™ i3-8145UE processor (4M Cache, up to 3.90 GHz), 2x 4GB DDR4-2400 SO-DIMM, M.2 128GB and 60W power adaptor
SI-642-N4305T	Intel® Celeron® processor 4305UE (2M Cache, 2.00 GHz), 2x 4GB DDR4-2400 SO-DIMM, M.2 128GB and 60W power adaptor
SI-MK3C	VESA bracket

Dimensions



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