

SI-642-N

Mid-Range Signage Player

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



Specifications

System Mainboard	MBD642
CPU	8th Generation Intel® Core™ mobile processor TDP <=25W
CPU Socket	FCBGA1528
Chipset	Integrated
Memory	2x SO-DIMM DDR4 2400Hz, Max. 32GB
Graphics	Intel® UHD Graphics 620
LAN	1x Intel® I219LM Gigabit LAN 1x Intel® I211AT Gigabit LAN
Expansion Slots	1x B-Key (3042) for 4G LTE 1x M-key (2280) for storage 1x E-key (2230) for capture card option
I/O Interface	1x HDMI 2.0 + 1x Display port 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	TBD
Chassis Color	Black & White
Storage	1x M.2 E-key (2280)
Power Supply	60W power adaptor
Mounting	Standard system bracket
Dimensions	TBD
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 Linux Ubuntu 64-bit

Features

- iSMART intelligent energy-saving & Observer remote monitoring technologies
- 8th Gen Intel® Core™ U-series processor
- 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
- 1x M.2 M-key (2280) for storage
- 1x M.2 E-key (2230) for WiFi or capture card option
- TPM 2.0, vPro and watchdog timer

Ordering Information

SI-642-N	Intel® Core™ i7-8665UE Processor (8M Cache, up to 4.40 GHz), 2x 4GB DDR4 2400 SO-DIMM memory, 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 memory, 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 memory, 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 memory, M.2 128GB and 60W power adaptor
SI-MK3C	VESA bracket

Dimensions

