

SPC-5600C / SPC-5600CF - Compact Fanless Embedded Box PC

Intel® 6th/7th/8th/9th Gen Core™ i7/i5/i3 (LGA1151), 4x GigE LAN, 4x COM, 12~24V DC Wide Voltage, Rugged Aluminum Chassis



- Supports Intel® 6th/7th/8th/9th Gen Core™ i7/i5/i3 & Pentium/Celeron LGA1151 processors (up to 65W TDP)
- Intel® H110 industrial chipset, supports dual-channel DDR4 2400MHz SO-DIMM up to 32GB
- 4x Independent Gigabit Ethernet ports (LAN1: Intel® I219LM, LAN2/3/4: Intel® I211-AT)
- Dual independent display outputs: 1x HDMI (up to 3840x2160 @30Hz) and 1x DVI-D (1920x1080 @60Hz)
- Rich industrial I/O: 4x COM (2x RS-232, 2x RS-232/422/485), 4x USB 3.1, 4x USB 2.0, 8-bit GPIO
- Storage: 2x Internal 2.5" SATA III SSD trays, 1x Full-size mSATA slot
- Wide DC power input: 12V~24V DC with 3-pin pluggable industrial terminal block (V+, V-, FG)
- Fanless rugged aluminum alloy enclosure with high shock (10G) & vibration resistance (2Grms)

System Specifications

Category	Parameter	Technical Specification
System	Processor	Intel® 6th/7th/8th/9th Gen LGA1151 Core™ i7/i5/i3, Pentium®, Celeron® (35W/65W TDP)
System	Chipset & BIOS	Intel® H110 Chipset; AMI UEFI 64Mb SPI Flash BIOS
System	Memory	2x 260-pin DDR4 2400MHz SO-DIMM sockets, up to 32 GB
System	OS Support	Windows 7/8/10/11 (64-bit), Linux (Ubuntu, Debian, CentOS, RedHat)
Display	Interface	1x HDMI 1.4 (up to 3840x2160 @30Hz), 1x DVI-D (up to 1920x1080 @60Hz); Dual Display
Ethernet	Controller	4x Independent GigE (10/100/1000 Mbps): LAN1 (I219LM), LAN2/3/4 (Intel I211-AT)
I/O Interface	USB	4x USB 3.1 Gen1 (Type-A, 5Gbps), 4x USB 2.0
I/O Interface	Serial / COM	4x DB9 COM (COM1/COM2: RS-232; COM3/COM4: RS-232/422/485 with auto-flow control)
I/O Interface	Other I/O	8-bit programmable GPIO (internal), 1x SIM card socket (internal) for 4G module
Storage	Drive / Slot	2x 2.5" SATA III (6Gbps) internal SSD/HDD drive trays; 1x Full-size mSATA socket
Expansion	Mini PCIe / M.2	1x Full-size Mini PCIe (PCIe/USB/SIM), 1x Full-size Mini PCIe (PCIe/mSATA), 1x M.2 Key-E 2230
Power	DC Input	12V ~ 24V DC-IN with 3-pin Industrial Terminal Block with Over-Voltage Protection
Environment	Operating Temp	35W CPU: -15°C to 60°C (Fanless); 65W CPU: -15°C to 45°C (with fan model SPC-5600CF)
Environment	Storage / Humid	-40°C to 80°C (-40°F to 176°F); 5% to 95% non-condensing
Mechanical	Dimensions & Wt	230.3 mm (W) x 152.0 mm (D) x 79.1 mm (H), Net Weight: 2.90 kg (Aluminum Box)
Mechanical	Mounting	Desktop mounting, Wall-mount bracket, optional DIN-rail kit

Ordering Information

Part Number / Model	Description & Configuration Details
SPC-5600C-Barebone	Fanless Box PC, Intel H110, 4x GigE LAN, 4x COM, 8x USB, 12-24V DC-IN, Wall Mount
SPC-5600C-i5-8G-256G	SPC-5600C with Intel Core i5-7500T (35W), 8GB DDR4 RAM, 256GB Industrial SSD
SPC-5600C-i7-16G-512G	SPC-5600C with Intel Core i7-8700T (35W), 16GB DDR4 RAM, 512GB Industrial SSD

