

Client System SuperServer SYS-C512i-1



Key Applications

IT Infrastructure, Retail/Banking/Smart City, Smart Retail/Medical Expert Systems, Office Applications, Edge AI,

Key Features

- Intel® Core™ Ultra 5 336H (Series 3) Processors, 12 cores, TDP up to 65W;
- Supports up to 128 GB of non-ECC DDR5 SODIMM/Clocked SODIMM (CSODIMM) memory with speeds of up to 7200 MT/s in two memory slots (1DPC);
- Up to 1 internal fixed 2.5" SATA drive bay;
- 1x 180W Power Adapter;
- Mini-ITX chassis with (225mm) depth;
- 1x 2.5 Gbit LAN port (i226-LM, with support of Intel vPro)
Support CNVi WiFi 7 and Bluetooth 6 via an M.2 E-Key module;



Form Factor	Mini-ITX Enclosure: 195 x 43 x 225mm Package: 138 x 280 x 380mm
Processor	Single processor(s) Intel® Core™ Ultra 5 Processor 336H 12C/12T; 18MB Cache
System Memory	Slot Count: 2 DIMM slots/1 Channels Max Memory (1DPC): 128GB 7200MT/s non-ECC DDR5 SO-DIMM
Drive Bays Configuration	Default: Total 1 bay • 1 internal fixed 2.5" SATA drive bay M.2: 1 M.2 PCIe 4.0 x4 NVMe slot (M-key 2280(default)/22110) 1 M.2 PCIe 5.0 x4 NVMe slot (M-key 2280(default)/22110)
On-Board Devices	SATA (6Gbps)
Input / Output	LAN: 1 RJ45 2.5 GbE LAN port (Intel® I226-LM) USB: 2 USB 2.0 Type-A ports (rear) 1 USB 3.2 Gen2x2 Type-C port (Rear) 1 USB 3.2 Gen1 Type-A port (Rear) 2 Thunderbolt™ 4 Type-C ports (Rear) Video: 1 port(s) supporting 8K@60Hz as specified in HDMI® 2.1 (Rear) Audio: ALC 888S HD Audio



System Cooling	Fans: Up to 2x 4cm heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud
Power Supply	1x 180W power supply
System BIOS	BIOS Type: AMI 32MB SPI Flash BIOS Features: ACPI 6.0 Plug and Play (PnP) Riser Card audio detection support SMBIOS 3.0 or later
PC Health Monitoring	Voltage: +1.0V PCH, +1.8V PCH, +12V, +3.3V, +5V, +5V standby, 1.05 (PCH), 3.3V standby, 5 (4-pin), CPU, CPU temperature, CPU thermal trip support, PCH temperature, System temperature, VBAT, VRM temperature
Dimensions and Weight	Weight: Gross Weight: 6.2 lbs (2.8 kg) Net Weight: 2.8 lbs (1.3 kg) Available Color: Black
Operating Environment	RoHS Compliant Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 90% (Non-Condensing) Non-operating Relative Humidity: 5% to 95% (Non-Condensing)
Motherboard	Super CIPTLK-I-1
Chassis	CSE-101FC