EDGE PC
Barebone
SPCTL03

ROBUST AND FANLESS INDUSTRY PC – ONLY 0,46 L

The Shuttle Edge PC SPCTL03 is a fanless IPC in a robust and tiny 460 ml metal chassis which can be mounted via DIN-Rail or 100x100 mm VESA standard. It is flexible in use and designed for maintenance-free 24/7 operation at ambient temperatures between –30 and 60°C (0.7 m/s wind speed). Inside there is an Intel N150 "Twin Lake" processor with passive cooling. The small housing offers an amazing variety of connections, including Dual Display, 2.5G LAN and DC-Input terminal block for wide voltage range of 9-24 V. This product is targeted at professional applications such as edge computing (IoT gateway), automation, digital signage, control, data logging and video surveillance.





Twin Lake SoC CPU · Supports 16 GB DDR5 · M.2 SSD Support · HDMI 2.0b · DISPLAY PORT (USB 3.2/USB-C) · Dual 2.5G LAN · 3x USB 3.2 (20 Gbps) · DIN RAIL MOUNT (opt.) · VESA Mount (optional) · Temperature -30...+60 °C · Fanless Cooling · 24/7 Support

INDUSTRIAL DESIGN

■ Rugged metal chassis, black color ■ Dimensions: 130 x 75 x 47.6 mm (LWH), 460 ml ■ Supports 24/7 Nonstop Operation ■ Supports optional VESA mount (100x100 mm) and DIN Rail mount ■ Operating temperature: –30 ... 60 °C at a wind speed of 0.7 m/s (20-80% RH non-condensing)

OPERATING SYSTEM

■ An operating system is not included
■ Supports Windows 11 and Linux (64-bit)

PROCESSOR

■ Intel Processor N150 "Twin Lake", TDP: 6 W, up to 3.6 GHz
■ Soldered System-on-Chip processor (SOC) ■ Passive Cooling
■ Fanless cooling system

DDR5 MEMORY / M.2 STORAGE / opt. WLAN

■ One 262-pin SO-DIMM slot supports up to 16 GB DDR5-4800 RAM
■ One M.2-2280 M slot supports M.2-SSDs (PCIe Gen 3.0 X2 or SATA) SATA SSD recommended for >30°C operating temperature
■ One M.2-2230 E slot supports M.2 WLAN modules with 2 ext. antennas

CONNECTORS

■ 1x HDMI 2.0b (supports 4K/60 Hz)
■ 1x USB 3.2 Gen2 Type-C supports DisplayPort 1.4
■ 3x USB 3.2 Gen2 Type-A
■ 2x RJ45 LAN-Ports (Intel 2.5 Gbps)
■ DC Input (2-pin terminal block, supports 9-24V)
■ Audio Line-out ■ P ower Button ■ Power LED
■ 4-pin connector for external power button and Power LED

CERTIFICATES

■ EMC certifications: FCC Class A, CE Mark, UKCA, VCCI, BSMI, RCM
■ Safety certifications: CB, cTUVus, BSMI, UKCA

OPTIONAL ACCESSORIES

■ **Power Adapter** (65 W, 19V)
■ **DC power cable** for DC-Input port
■ **WLAN kit** with two external antennas
■ **COM port** (RS232, RJ45) instead of second LAN port
■ **DIN Rail** kit
■ **VESA** kit (100 x 100 mm)
■ **Cable** for external power button (2m, without power button)

Optional Version: SPCTL03-Mainboard with Heat-Sink





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