

SPECTRA POWERBOX 12C1 / 12C6

FEATURES

- Designed for 7d/24h with full performance
- Intel® 9 generation CPU (Coffee Lake)
- 16 GB SO-DIMM DDR4
- 512 GB NVMe M.2 SSD
- Expansion slot for a halfsize PCIe(x16) card, M.2 Socket
- Long term availability min. Q2 2034

FRONT VIEW



REAR VIEW



SPECTRA POWERBOX 12C1 / 12C6

INDUSTRIAL MINI-PC WITH 9TH GENERATION COFFEE LAKE PROCESSOR

SYSTEM

Processor	SPB 12C1: Intel® Core™ i7-9850HE Hexa-Core 2.70 GHz SPB 12C6: Intel® Xeon® E2276EM Hexa-Core 2.80 GHz
Chipset	Intel® QM370 / CM246
Memory	2 x DDR4 2666 SO-DIMM, max. 32 GB installed: 2x 8 GB PC2666
HW monitoring	CPU- & System fan, rotation speed, voltage
Watchdog Timer	softwareprogrammable, from 0 to 255 sec. adjustable, generates system reset

CONTROLLERS

Network	- LAN1: 1 x Intel® I219LM Gigabit-LAN - LAN2: 1 x Intel® I211AT GLAN (SPB 12C1) 1 x Intel® I210AT GLAN (SPB 12C6)
Audio	Realtek ALC888S HD, 7.1 Channel
Graphics	Intel® HD Graphics Gen. 9

EXPANSIONS & DRIVES

Expansion slots	- 1 x PCIe(x16) - 1 x mPCIe (rear of board) - 1 x M.2 (E 2230) free
Hard drive / SSD	512 GB NVMe M.2 SSD
Additional drives optional	- Adapter on 2,5" socket for 2 x mSATA flash modules (RAID 0/1) - DVD / Blu-ray drive

I/O INTERFACES

Front	- 2 x USB 3.0 - 2 x RS-232 (9-pol. D-Sub)
Rear	- 1 x DVI-D - 1 x HDMI (2.0) - 1 x DP - 2 x RS-232/422/485 - 6 x USB 3.1 - 2 x RJ45 - 3 x Audio

CONSTRUCTION

Chassis	robust compact chassis in aluminium Colour: black
Power supply	9 to 36 VDC, 160 W power adapter
Cooling system	The RPM-regulated 80 mm fan with heatpipe warranties a permanent low temperature level inside the chassis. The life-time of all compo- nents is increased considerably. The construction warranties under full load and temperature over 35°C a whisper quiet operation.

MECHANICAL & ENVIRONMENT CONDITIONS

Dimensions (WxHxD)	200 x 110 x 250 mm
Weight	approx. 1,7 kg
Temperatures	- Operating temperature: 0°C to 45°C - Temperature change: max. 10°C / 30 min - Relative humidity: 10% to 90 % - Atmospheric pressure: 700 to 1100 hPa - Condensate formation: non condensing
Warranty	24 months
Packing list	User manual, Driver-CD, power supply, 2 x mounting rails, Windows® recovery medium

OPTIONAL CONFIGURATION

Memory	max. 32 GB DDR4
Drives/SSD	- 2.5" SSD
Operating systems	- favored: Microsoft® Windows® 10 64-bit - Linux Fedora 64-bit - Ubuntu 64-bit
Other	further possible options, please inquiry

ORDERING INFORMATION

N° 162176 Spectra PowerBox 12C1

Mini-PC, Intel® Core™ i7-9850HE, 512 GB M.2, 16 GB RAM,
DVI, HDMI, DP, 1 PCIe, 1 M.2

N° 162177 Spectra PowerBox 12C6

like SPB 12C1, with Intel® Xeon® E-2276EM CPU