

# Spectra PowerBox 500-Series

## Technical Data



### Features

- Pre-defined Box-PC
- Intel® Core™ i5/i7 Coffee Lake CPU
- 3 x mPCIe
- 4 x USB 3.2 Gen 2, 4 x USB 3.2 Gen 1
- 2 x GLAN, 4 x COM
- Windows® 10 IoT Enterprise

Model	Spectra PowerBox 500 Advanced 2	Spectra PowerBox 500 Quadro Advanced 2 Wide Temp	Spectra PowerBox 500 Quadro Pro 4 Wide Temp
Article n°	167232	167234	167235

### System Configuration

CPU	Intel® Core™ i5-9500TE 6 Cores / 6 Threads / Base Freq. 2.20 GHz /Burst Freq. 3.60 GHz		Intel® Core™ i7-9700TE 8 Cores / 8 Threads / Base Freq. 1.80 GHz /Burst Freq. 3.80 GHz
RAM	8 GB	8 GB WT	16 GB WT
SSD	256 GB PCIe4 NVMe M.2 Key M 2280	256 GB PCIe4 NVMe M.2 Key M 2280 WT	512 GB PCIe4 NVMe M.2 Key M 2280 WT
Operating System	Microsoft® Windows® 10 IoT Enterprise 2021 LTSC, 64-bit, german / english		
Operating Temperature	0°C ~ +45°C	-40°C ~ +55°C	-40°C ~ +55°C

### Controllers & Interfaces

Ethernet	1 x Intel® i210 Gigabit-LAN, 1 x Intel® i219 Gigabit-LAN		
Graphics	integrated in CPU	Nvidia RTX A2000 Embedded GPU, 8GB GDDR6 VRAM, 2560 CUDA Cores, 8.25 TFLOPS (FP32)	
Audio	Realtek ALC888		
Front IOs	4 x USB 3.2 Gen 2	4 x USB 3.2 Gen 2 4 x DP 1.4 (4096 x 2304 4K)	
Rear IOs	1 x DVI-I (1920 x 1200 FHD) 1 x HDMI (4096 x 2160 4K) 1 x DP (4096 x 2304 4K)	1 x DVI-I (1920 x 1200 FHD) inactive 1 x HDMI (4096 x 2160 4K) inactive 1 x DP (4096 x 2304 4K) inactive	
	4 x USB 3.2 Gen 1, 2 x RJ45, 4 x RS-232/422/485 1 x Line-out, 1 x Mic-in		

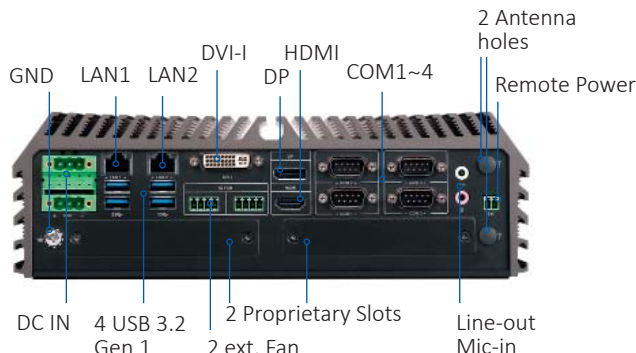
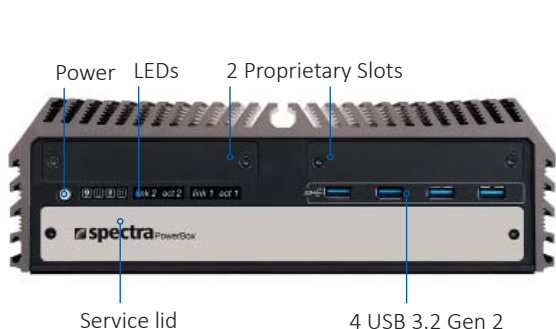
### Drives & Expansions

Free Storage Slots	2 x 2,5" SATA HDD/SSD (Hot-Swap, RAID 1/1/5/10 Support), 3 x mSATA (mPCIe Slot), 2 x SIM		
M.2 Slots	1 x M.2 Key E 2230		
PCI/PCIe Slots	-		
mPCIe Slots	3 x Full-Size for WiFi / GSM or expansion cards		
Antenna Holes	2 x for wireless communication		

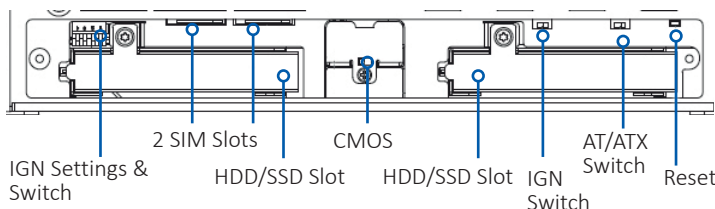
### Further Data

Power	AT/ATX 9~48 V DC		
Dimensions (W x H x D)	260 x 85 x 200 mm		
Weight (net/gross)	5,0 kg / 6,9 kg	5,5 kg / 7,6 kg	
Mounting	Wall		
Warranty	24 months		
Packing List	1 x Power Terminal Block (female), 1 x Remote Power Terminal Block, 2 x Fan Terminal Block, 1 x Driver/Manual Medium, 1 x Microsoft® Windows® Recovery Medium, 2 x rails for Wall mount, 1 x DVI to VGA Adapter		

# Spectra PowerBox 500-Series Interfaces



## Details Service lid



## Difference by Quadro Models



## Further options - Ask us!

### Interfaces for the proprietary slot

- 2 x 10Gigabit-LAN, RJ45
- 4 x Gigabit-LAN, RJ45
- 4 x Gigabit-LAN, M12
- 4 x Gigabit-LAN, XM12
- DIO (8-in / 8-out)
- 4 x RS-232/422/485
- 4 x RS-232/422/485, isolated
- 2 x Gigabit-LAN
- 2 x RS-232
- 4 x RS-232
- 2 x USB 3.2 Gen 1

### Further functions

- Power Ignition
- PoE

### MXM GPU Modules alternative

- Nvidia Quadro Embedded T1000
- Nvidia Quadro Embedded RTX3000

### Power supply

- Power adapter, 120W, 24V/5A, C14, 3-pin, Tube
- Quadro Models: 220W, 24V/9.2A, C14, 3-pin, Tube



## Mounting Kits

DIN-Rail, Sideboard



DIN-Rail

Sideboard

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