

# Spectra PowerBox 3100E-Series

## Technical Data



### Features

- Pre-defined Box-PC
- Intel® Core™ i3/i5 Comet Lake CPU
- 1x PCIe(x16), 3 x mPCIe
- 2 x USB 3.2 Gen 2, 4 x USB 3.2 Gen 1, 2 x USB 2.0
- 2 x GLAN, 2 x COM, 1 x HDMI, 2 x DP, 1 x VGA
- Windows® 10 IoT Enterprise

Model	Spectra PowerBox 31E Essential 2	Spectra PowerBox 31E Essential 2 Wide Temp	Spectra PowerBox 31E Advanced 2	Spectra PowerBox 31E Advanced 2 Wide Temp
Article n°	167224	167225	167226	167227

### System Configuration

CPU	Intel® Core™ i3-10100TE 4 Cores / 8 Threads / Base Freq. 2.30 GHz / Burst Freq. 3.60 GHz		Intel® Core™ i5-10500TE 6 Cores / 12 Threads / Base Freq. 2.30 GHz / Burst Freq. 3.70 GHz	
RAM	8 GB	8 GB WT	8 GB	8 GB WT
SSD	256 GB 2.5" SATA-6G	256 GB 2.5" SATA-6G WT	256 GB 2.5" SATA-6G	256 GB 2.5" SATA-6G WT
Operating System	Microsoft® Windows® 10 IoT Enterprise 2021 LTSC, 64-bit, german / english			
Operating Temperature	0°C ~ +45°C	-40°C ~ +70°C	0°C ~ +45°C	-40°C ~ +70°C

### Controllers & Interfaces

Ethernet	1 x Intel® i210 Gigabit-LAN, 1 x Intel® i219 Gigabit-LAN
Graphics	integrated in CPU
Audio	Realtek ALC888-GR
Front IOs	2 x USB 3.2 Gen 2 1 x HDMI (4096 x 2160 4K) 1 x DP (4096 x 2304 4K)
Rear IOs	4 x USB 3.2 Gen 1, 2 x USB 2.0 2 x RJ45 2 x RS-232/422/485 1 x DP (4096 x 2304 4K), 1 x VGA (1920 x 1200 WUXGA) 1 x Line-out, 1 x Mic-in, 1 x PS/2

### Drives & Expansions

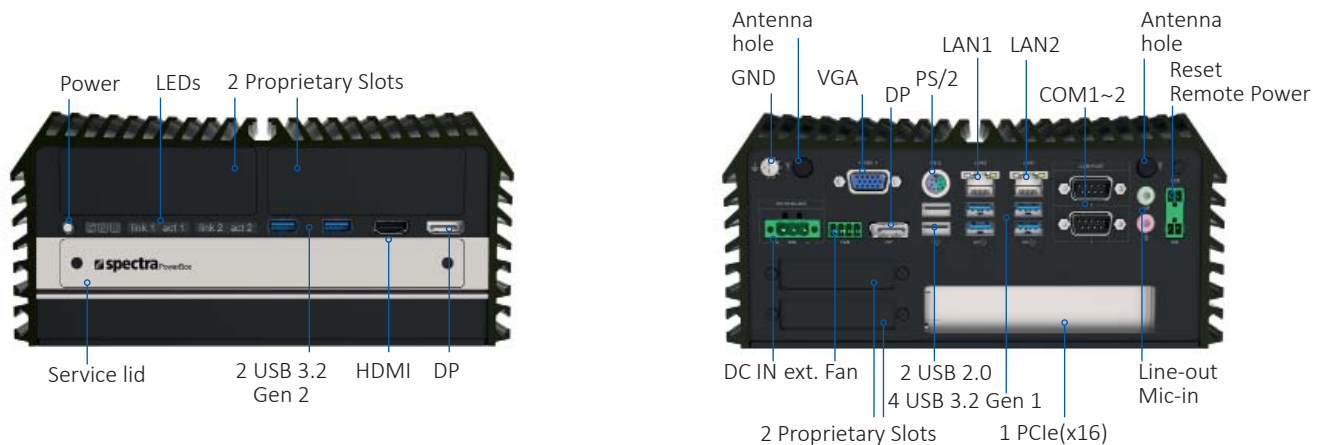
Free Storage Slots	1 x 2,5" SATA HDD/SSD (Hot-Swap), 1 x PCIe4 NVMe Key M 2280 M.2, 3 x mSATA (mPCIe Slot), 2 x SIM
PCI/PCIe Slots	1 x PCIe(x16)
mPCIe Slots	3 x Full-Size for WiFi / GSM or expansion cards
Antenna Holes	2 x for wireless communication

### Further Data

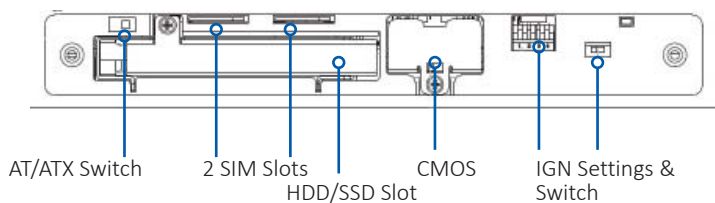
Power	AT/ATX 9~48 V DC
Dimensions (W x H x D)	227 x 108 x 261 mm
Weight (net/gross)	5,7 kg / 8,1 kg
Mounting	Wall
Warranty	24 months
Packing List	1 x Power Terminal Block (female), 1 x Remote Power Terminal Block, 1 x Fan Terminal Block, 1 x Driver/Manual Medium, 1 x Microsoft® Windows® Recovery Medium, 2 x rails for Wall mount, 1 x DVI to VGA Adapter

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## Interfaces



### Details Service lid



## 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
- 2 x USB 3.2 Gen 1

### Further functions

- Power ignition
- PoE

### PCI/PCIe Riser card alternative

- 1 x PCI

### Power supply

Power adapter, 120W, 24V/5A, C14, 3-pin, Tube

### Mounting Kits

VESA Holder

