



*Industrial PC*

## Spectra PowerBox 320-Series

Industrial Box-PC | Alder Lake

### Features

- Robust Box-PC in attractive industry design
- Onboard 12th Generation Intel® Core™ i7/i5/i3
- Sockets over various expansions (digital I/Os, 10Gigabit-LAN, PoE, M12...)
- Interfaces: 1 x USB 3.2 Gen 2, 2 x USB 3.2 Gen 1, 3 x USB 2.0, 2 x 2.5GLAN, 2 x COM, 2 x DP, 1 x HDMI
- Wide range voltage: 9 – 48 V, with voltage monitoring
- Several flexible mounting and equipment possibilities



# Spectra PowerBox 320

## Technical Data

### Pre-defined Systems (pre-configured)

Model	Spectra PowerBox 320 Advanced 1-11	Spectra PowerBox 320 Advanced 1-11 Wide Temp	Spectra PowerBox 320 Advanced 3-11	Spectra PowerBox 320 Advanced 3-11 Wide Temp
Article n°	173050	upon request	173052	upon request

### System Configuration

CPU	Intel® Core™ i5-1245UE 10 Kerne / 12 Threads / max. Turbo-Freq. 3.30 GHz (Efficient Core) / 4.40 GHz (Performance-Cores)			
RAM	8 GB	8 GB WT	16 GB	16 GB WT
SSD	128 GB 2.5" SATA-6G	128 GB 2.5" SATA-6G WT	256 GB 2.5" SATA-6G	256 GB 2.5" SATA-6G WT
Operating System	Microsoft® Windows® 11 IoT Enterprise LTSC 2024, 64-bit, German / English			
Operating Temperature	0°C ~ +45°C	-40°C ~ +70°C	0°C ~ +45°C	-40°C ~ +70°C

### Basic Device / Barebone (unconfigured)

Motherboard mit onboard CPU	12. Generation Intel® Alder Lake-S Series: Intel® Core™ i7-1265UE 10 Cores Up to 4.70 GHz, TDP 15W Intel® Core™ i5-1245UE 10 Cores Up to 4.40 GHz, TDP 15W Intel® Core™ i3-1215UE 6 Cores Up to 4.40 GHz, TDP 15W
Memory socket	1 x DDR5 4800 MHz SO-DIMM, max. 32 GB

### Controllers & Interfaces

Ethernet	2 x Intel® i225 2.5Gigabit-LAN
Graphics	- Intel® Iris® Xe Grafik in Core i7/Core i5 CPU integriert - Intel® UHD Graphics in Core i3 CPU integriert
Audio	Realtek ALC888
Front IOs	1 x USB 3.2 Gen 2 , 3 x USB 2.0 1 x HDMI (3840 x 2160 FHD/4K)
Rear IOs	2 x USB 3.2 Gen1 2 x RJ45 2 x RS-232/422/485 2 x DP (3840 x 2160 FHD/4K) 1 x Line-out, 1 x Mic-in

### Drives & Expansions

Storage	1 x 2,5" SATA HDD/SSD (Hot-Swap, RAID 0/1 Support), reserved by pre-defined systems 1 x M.2-3052, B-Key SATA-SSD, 2 x SIM
PCI/PCIe Slots	–
M.2 Slots	1 x M.2-2230, E-Key for WiFi / CNVi 1 x M.2-3052, B-Key for 5G
Antenna Holes	4 x for wireless communication

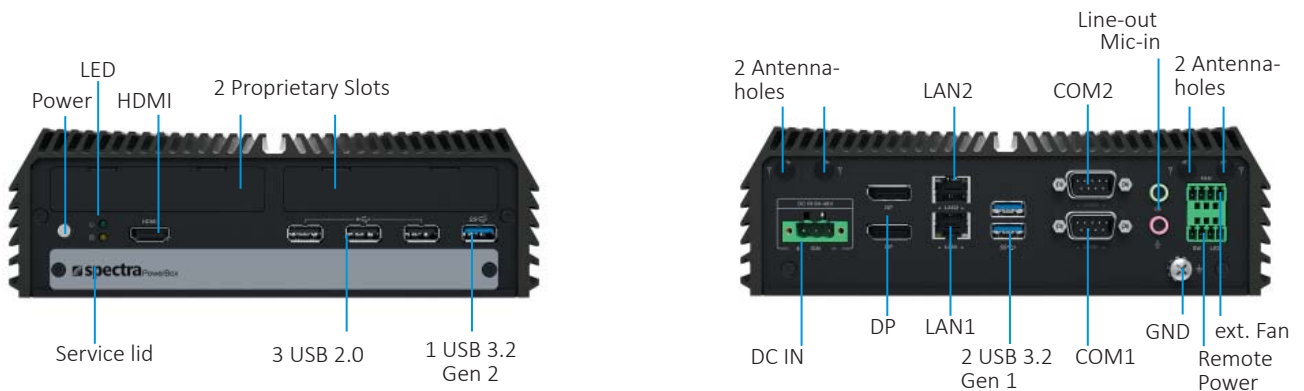
# Spectra PowerBox 320

## Technical Data

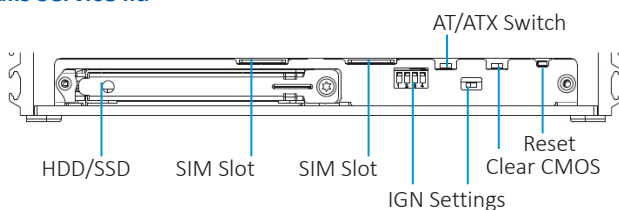
### Further Data

Power	AT/ATX 9~48 V DC
Dimensions (W x H x D)	203 x 66,8 x 142 mm
Weight (net/gross)	Barebone: 1,74 kg / 2,6 kg Pre-defined: 2,1 kg / 3,4 kg
Warranty	24 months
Packing List	1 x Power Terminal Block (female), 1 x Remote Power Terminal Block, 1 x Fan Terminal Block, 1 x Microsoft® Windows® Recovery Medium, 2 x rails for Wall mount

### Interfaces

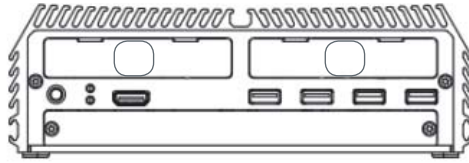


### Details Service lid



# Spectra PowerBox 320

## Extended Equipment



### Multi-EA Module und mögliche Belegung der Erweiterungsports

	1	2
4 x Intel I210 1GbE LAN, RJ45 Variants: M12 A-Coded, M12 X-coded connector	–	✓
2 x Intel X550 10GbE LAN, RJ45	–	✓
16 DIO (8 x in / 8 x out)	✓	–
2 x RS-232/422/485, DB9*	✓	–
1 x VGA	✓	–
1 x HDMI	✓	–
1 x DP	✓	–



### Further optional accessories

- External fan, 4-pin Terminal Block
- PoE Control Function, 25.5 W/Port
- Power Ignition Sensing, 12V/24V selectable
- Power Adapter:
  - 120W 24V/5A
  - 220W 24V/9.2A (with PoE Function)
- Mounting: DIN-rail Kit, Sideboard

### Ask us!



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### Abmessungen

(Maße: mm)

