

SPECTRA POWERBOX 100-J19 RTE

FEATURES

- Extreme compact, fanless Realtime Engine PC in aluminium chassis with 60 W power adapter
- Intel® Celeron™ J1900 SoC, 8 GB RAM
- 120 GB Half-Slim DOM
- Industry mainboard with 1 x mPCIe
- Intel® HD Graphics
- 2 x Intel® Gigabit-LAN
- I/Os: 1 x DVI-I, 2 x RJ45, 1 x USB3.0, 3 x USB2.0, 2 x COM, Audio
- Microsoft® Windows® 10 IoT & Sybera EtherCAT Master Runtime license



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TECHNICAL DATA

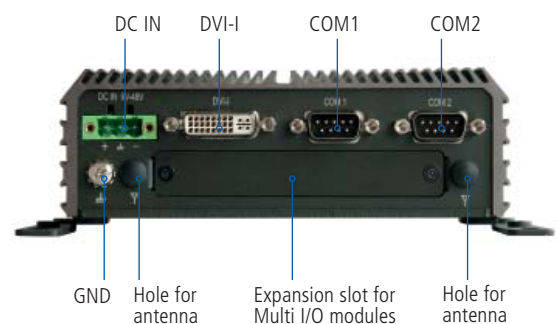
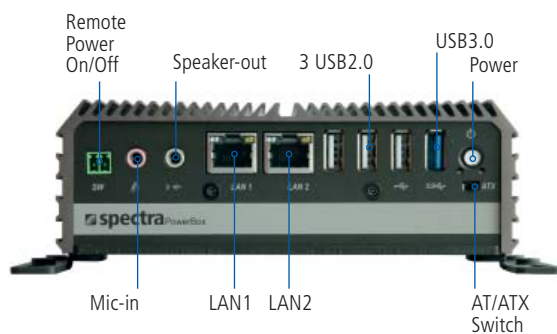
SYSTEM

Processor	Intel® Celeron® J1900 Quad Core 2,0 GHz
Chipset	SOC (System on Chip)
Memory	204-pin DDR3L SO-DIMM, max. 8 GB
installed	1 x 8 GB, DDR3L, PC1600
System monitoring & LEDs	Watchdog

CONTROLLERS

Graphics	Intel® HD Graphics <ul style="list-style-type: none"> - 7th Generation Intel® HD Graphik - Max. 2048 MB VRAM - Max. 854 MHz GPU clock - Max. 21 GB/s memory bandwidth - DVI-I (DL): 2560 x 1600 (WQXGA-resolution) - Support up to 2 independant displays - Shader Model 5.0, OpenGL 4.0, DirectX 11.2, OpenCL 1.2
Network	- 2 x Intel® i210 Gigabit-LAN
Audio	Realtek ALC888S Codec

INTERFACES



EXPANSION SLOTS

PCI-Express	1 x mPCIe (Full-size)
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DRIVES

System SSD/HDD	120 GB Half-Slim DOM
Others	-

I/O INTERFACES

Front	<ul style="list-style-type: none"> - 1 x USB3.0 - 3 x USB2.0 - 2 x RJ45 - Audio - Power switch - Remote power on/off & reset
Rear	<ul style="list-style-type: none"> - 2 x RS-232/422/485 - 1 x DVI-I

MECHANICAL & ENVIRONMENT CONDITIONS

Chassis	<ul style="list-style-type: none"> - Box-PC chassis, Aluminium - Drive bays for 1 x 2.5" internal HDD - fanless - Front panel: 1 x Power, 1 x Reset - Color: black
Dimensions (WxHxD)	150 x 52,27 x 105 mm
Weight	approx. 1 kg
Mounting	Wall, optional: side board, VESA, DIN rail
Temperatures	Operating temperature: 0 °C to +45°C Relative humidity: 10% to 95%, non condensing
Power supply	<ul style="list-style-type: none"> - 60 W Power adapter - Efficiency > 88% - Input: 80 - 264 V_{AC} Full Range - Output: 12V/5A
Operating system	Microsoft® Windows® 10 IoT Enterprise 2016 LTSB
Additional Software	Sybera EtherCAT Master Runtime license
Warranty	24 months
Certificates	CE, FCC Class A, EN62368-1

ORDERING INFORMATION

N° 153281 Spectra PowerBox 100-J19 RTE

Mini-PC for Realtime engine, Intel® Celeron® J1900, DVI, 8 GB RAM, 120 GB Half-Slim DOM, Windows® 10 IoT, EtherCAT Master Runtime

SPECTRA POWERBOX 100-J19 RTE

REALTIME LICENSE & ACCESSORIES

SOFTWARE FOR REALTIME ENGINE UNDER WINDOWS®



FEATURES

- Sybera EFI Realtime Engine (EFIRTE) Realtime extension for Windows® operating system
- Fieldbus Master libraries for EtherCAT, PROFINET, Sercos III, Ethernet/IP
- Master simulator Software
- Developer and Runtime License

OPT. ACCESSORIES - MOUNTING KITS



DIN rail kit



VESA Mount kit



Side Mount kit

ORDERING INFORMATION

- N° 147895 DIN Rail kit for PB 100
- Nr. 149025 VESA Mount kit for PB 100
- Nr. 147894 Side Mount kit for PB 100

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