SPECTRA-RACK 2H50 Q370 20B

FEATURES

- Rugged 19" 2U rackmount industrial PC
- 500 W industrial power supply, EN 62368-1
- Industrial mainboard with 1 PCIe(16) expansion slots
- Intel® Core™ i5-8500 (3,0 GHz, 6 Cores / 6 Threads), 16 GB RAM
- Intel® UHD Graphics 630 onboard
- 3 x Intel® Gigabit-LAN onboard
- I/Os: 2 x DP, 1 x HDMI, 1 x VGA, 3 x RJ45, 6 x USB3.2 Gen2, 2 x USB2.0, 2 x USB2.0 (Front), 1 x PS/2, 3 x Audio
- 1 TB 2.5" HDD, DVD-RW

APPLICATION

Compact, flat rack-mountable industrial PC with 1 x PCIe(x16) expansion option

SPECTRA-RACK 2H50 Q370 20B

19" 2U INDUSTRIAL PC WITH 8TH GENERATION COFFEE LAKE CPU AND WINDOWS® 10 IOT ENTERPRISE

SYSTEM

Industrial main-board	for 24h/7d industrial use, long term availibility until min. Q4/2025
CPU socket	LGA1151 für 8. Generation Intel® Core™ i7/i5/i3/ Pentium®/Celeron® CPUs Coffee Lake, max. TDP 95 Watt
Processor	Intel® Core™ i5-8500 (Coffee Lake, Basis-Takt 3,0 GHz, 6 Cores / 6 Threads), TDP: 65 W
Chipset	Intel® Q370
System memory	- 4 x 288-Pin DDR4-DIMM-Socket - max. 64 GB PC2666 (unbuffered, non-ECC) - installed: 2 x 8 GB PC2666 unbuffered (Dual-Channel)
HW monitoring	Watchdog, 1 – 255 sec., System Reset

CONTROLLER

Graphics	- GPU: Intel® UHD-Graphics 630, Tact: 350 MHz – 1,10 GHz - Memory: max. 64 GB DDR4 (DVMT) - Resolution: DP 1.2: max. 4096 x 2304 @ 60 Hz HDMI 1.4: max. 4096 x 2304 @ 60 Hz VGA: max. 1920 x 1200 @ 60 Hz - DirectX12, OpenGL4.5, OpenCL2.1 - Display support: 3
Network	- 1 x Intel® i219LM, 10/100/1000 Mbps GbE (IAMT12.0, WoL, PXE, Jumbo Frames) - 2 x Intel® i210AT/211AT, 10/100/1000 Mbps GbE (Jumbo Frames)
Audio	Realtek ALC887, 7.1-Channel

EXPANSION SLOTS

PCI-Express	1 x PCIe(x16) 3.0 for expansion card with max. 75 W TPD
Others	1 x M.2-Socket (E-Key, 2230, Gen3 PCIe(x1), WLAN / Bluetooth)

DRIVES

Ports	- 6 x SATA-6G-Ports (NCQ, AHCI, RAID 0/1/5/10) - 1 x M.2-Socket (M-Key, 2280, Gen3 PCIe(x4) SSD)
Installed	1 x 1 TB 2.5" HDD, SATA-6G, 7.200 U/min.
Others	1 x DVD-RW

I/O INTERFACES

Rear	- 2 x DP - 1 x HDMI - 1 x VGA - 3 x RJ45 - 2 x USB3.2 Gen2 (10 Gbps) - 2 x USB2.0 (480 Mbps) - 1 x PS/2 - 3 x Audio
Front	- 2 x USB2.0 (480 Mbps)
Internal (not activated)	- 2 x USB2.0 (480 Mbps) - 1 x USB2.0 (480 Mbps), Typ A vertical - 2 x RS-232/422/485 - 8 x RS-232 - 1 x LPT - 1 x TPM V2.0

I/OS

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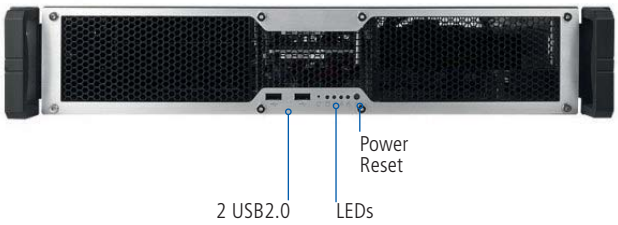
MECHANICAL & ENVIRONMENT CONDITIONS

Chassis	19" 1U rackmount, sheet steel - for 1 PCIe expansion cards - Drive bay for 1 x 5.25"+ 1x 3.5"with front access Drive bay for 2 x 3.5"internal - 2 x 80 mm chassis-fan - Front panel: 1 x Power, 1 x Reset, 2 x USB2.0 - Front panel LED: Power, HDD, LAN - Color: black
Dimensions (WxHxD)	482 x 88 x 457 mm
Weight	approx. 16 kg
Power supply	- 500 Watt, ATX Industrial PSU, 80plus Platinum - Input: 90 - 264 VAC, 47 - 63 Hz - Output (max.): 24A@3,3V 20A@5V, 18A@12V1/2, 0,5A@-12V, 3A@5Vsb - 1 x 80 mm fan - MTBF: >100.000 h @ 25° C - Certification: CB (EN62368-1), UL, TÜV, CE, FCC
Temperatures	Operating temperature: 0°C to +50°C Relative humidity: 5% to 90%, non condensing
Operating system	Microsoft® Windows® 10 IoT Enterprise 2019 LTSC (PKEA), 64-Bit, incl. USB-Recovery-Stick and Acronis True Image
Warranty	24 months
Certifications	CE, EN 62368-1, EN 61000-6-2

FRONT VIEW



REAR VIEW

(Similar to actual product)

DETAIL VIEW

ORDERING INFORMATION

N° 161808 Spectra-Rack 2H50 Q370 20B

19" 2U rackmount industrial PC, Intel® Core™ i5-8500, 1 PCIe16, Windows® 10 IoT

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