2U 19" PANTHER Gen13 Series

Customizable industrial 2U 19-inch servers with Intel® Core™ 13th/12th Gen. CPU

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CUSTOMIZABLE

Features

- Intel® Core™ 13th Gen. i9 / i7 /i5 / i3 processors (also supports 12th Gen.)
- Up to 64GB DDR5 4800MHz memory
- Expandable via PCIe Gen5, Gen4 and Gen3 slots
- Multiple displays via DVI-D, DisplayPort and HDMI Port
- Supports onboard TPM 2.0
- Dimensions (W x D x H): 431.4 x 429.2 x 88.6mm

2U 19" PANTHER Gen13 Series – High availability, flexible expansion interface and low space requirements
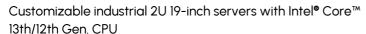
The 2U 19" PANTHER Gen13 series consists of powerful and reliable 19-inch servers designed specifically for use in industrial environments. The devices include the industrial mainboard ROBO-8116G2AR, based on the Intel® R680E chipset, which provides a modern platform for demanding applications.

The industrial PCs feature Intel® Core™ 13th / 12th Gen. processors, which together with up to 64GB DDR5 memory offers impressive computing power. The 19-inch chassis are made of rugged aluminum and are equipped with various expansion slots and ports. These include Gigabit Ethernet, USB 3.2, DVI-D, HDMI and DisplayPort. In addition, the server offers space for up to four SATA III ports and a variety of PCIe/PCI slots.

The 2U 19" PANTHER Gen13 series is designed for 24/7 operation and is ideal for use in demanding applications such as control systems, monitoring and surveillance systems, data acquisition and processing, and other industrial server rack applications.

2x USB 2.0   SSD/HDD removable frame

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Specifications	Entry Line	Basic Line	Pro Line	Ultra Line
SYSTEM				
CPU	Intel® Core™ i3-13100 or Intel® Core™ i3-12300	Intel® Core™ i5-13500 or Intel® Core™ i5-12500	Intel® Core™ i7-13700 or Intel® Core™ i7-12700	Intel® Core™ i9-13900 or Intel® Core™ i9-12900
Chipset	Intel® R680E			
Mainboard	Portwell ROBO-8116G2AR			
RAM	8GB DDR5 4800MHz max. 64GB	16GB DDR5 4800MHz max. 64GB	32GB DDR5 4800MHz max. 64GB	64GB DDR5 4800MHz max. 64GB
Storage	4x SATA Gen 3.0, up to 6GB/s, supports RAID 0,1,5,10 2x 2.5"/3.5" SATA HDD/SSD trays Incl. 1x 500GB M.2 SSD	4x SATA Gen 3.0, up to 6GB/s, supports RAID 0,1,5,10 2x 2.5"/3.5" SATA HDD/SSD trays Incl. 1x 1TB M.2 SSD	4x SATA Gen 3.0, up to 6GB/s, supports RAID 0,1,5,10 2x 2.5"/3.5" SATA HDD/SSD trays Incl. 1x 1TB M.2 SSD	4x SATA Gen 3.0, up to 6GB/s, supports RAID 0,1,5,10 2x 2.5"/3.5" SATA HDD/SSD trays Incl. 1x 2TB M.2 SSD
TPM	Onboard TPM 2.0			
Expansion	From CPU: 1x PCIe 5.0 x16 or 2x PCIe 5.0 x8 and 1x PCIe 4.0 x4 configuration (Gen5 up to 32GT/s) From PCH: 1x PCIe x4 or 4x PCIe x1 via diverse BIOS support(Gen3 up to 8GT/s), 4x PCI devices at 32-bit 33MHz 1x M.2 M-Key 2280 (backplane bottomside)			
Operating System	Windows®: 11 / 10 IoT Enterprise LTSC 64-bit			
INTERFACE				
Ethernet	2x 10/100/1000/2500 Mbps RJ-45 port (Intel® WGI225LM)			
USB	2x USB 3.2 Gen2 ports (via bracket) 2x USB 3.2 Gen1 ports (via board) 1x USB 3.2 Gen2 x2 Type C ports (via bracket) 4x USB 2.0 Ports (backplane) 2x USB 2.0 Ports (front)			
COM	2x RS-232 ports via bracket (optional) 2x RS-232/422/485 via bracket (optional)			
Video	1x HDMI 1x DVI-D 1x DisplayPort			
Other	1x DVD-ROM drive			
ENVIRONMENTAL				
Chassis	2U 19-inch rackmount			
Cooling	1x 700mm front fan (with filter)			
Power Adapter	Incl. 500W power supply			
Remote Control & LED	Front panel power On/Off, system reset Front panel ports 2x USB 2.0 Front panel display power status LED Rear slots 6x full profile full height			
Dimensions	431.4 (W) x 429.2 (D) x 88.6 (H) mm			
Weight	Approx. 18kg (fully equipped system)			

*All PANTHER Gen13 series systems can be customized to meet your needs, if necessary.