

PRIMESERVER PRO

PRODUCT DATA



HIGH CONNECTIVITY,
DIRT-RESISTANT,
EASY ACCESS,
MOUNTABLE OR
FREESTANDING,
SILENT.



The server with unique features

As with all Prime Computer products, the PrimeServer Pro is fanless and designed for durability, reliability and easy maintenance. Thanks to Intel Xeon D-2100 processors, the server also meets high demands in terms of performance and features.

The PrimeServer Pro offers all the usual features of a standard server, but the fanless design provides additional benefits. The PrimeServer Pro is completely silent, dirt and dust resistant and delivers superior reliability versus conventional servers. Exchanging or upgrading drives, RAM and other components is simple thanks to „hot swap“ SSD / HDD hybrid caddys and the intelligently placed inspection openings. These design characteristics result in significantly reducing your maintenance costs.

Control and independence

Even in the time of cloud storage and cloud computing, it still makes sense for companies to operate their own servers. The most important advantages are complete control and independence. The PrimeServer Pro comes with a 19-inch rack mounting kit and screw-on feet, so that the server can be placed either in a rack or free-standing. Especially for companies without their own server room, the latter is a practical option.

Highlights

- ✓ 4-, 8- or 12-core Intel Xeon D processors
- ✓ 6 x 2.5" Caddy SATA/SAS SSD & HDD
- ✓ Additional M.2 SSD
- ✓ Redundant power supply
- ✓ 8 x LAN thereof 4 x 10 GBit/s
- ✓ LTE or Wi-Fi
- ✓ Up to 128 GB DDR4 ECC RAM
- ✓ 19" Rack Mounting Kit and free standing

SPECIFICATIONS

Color	Black		
Processor	Intel Xeon D-2123IT	Intel Xeon D-2146NT	Intel Xeon D-2166NT
Number of processor cores	4	8	12
Number of threads	8	16	24
Number of RAM slots	4		
RAM type	2666/2400/2133 MHz ECC DDR 4 RDIMM/LRDIMM (Operating speed max. 2133 MHz)		
RAM capacity	Max. 128 GB (4 x 32 GB)		
Number of m.2 slots	1		
Number 2.5" caddys	6		
2.5" caddy type	SATA/SAS SSD & HDD Hybrid Caddy		
SSD/HDD height	Max. 9.5 mm		
SSD/HDD requirement	Max. operating temperature 60° celcius or higher		
RAID	0 / 1 / 5 / 10		
SIM slot	1x Nano-SIM		
IPMI	1x LAN-Port / ASPEED AST2500		
Number of ethernet ports	8		
Ethernet speed	4 x 10/100/1000 Mbit/s / 4 x 10'000 Mbit/s		
LAN	4 x RJ45 Gigabit Ethernet LAN ports / 2 x RJ45 10 GBase-T ports / 2x 10 G SFP+ LAN ports		
Network controller	4 x Intel Ethernet Controller I350-AM4 / Dual LAN 10 G SFP+ via SoC / Dual LAN 10 Gbase-T		
USB	1x USB 2.0 (front) / 2x USB 3.0 (rear)		
mPCIe	1x LTE or 1x Wifi Intel 8265NGW		
Graphics card type	On board		
Graphics card model	ASPEED AST2500 BMC		
Video Output	VGA D-Sub Connector port		
TPM	Supermicro AOM-TPM-9670V		
Software	IPMI 2.0 / KVM with dedicated LAN / Watchdog		
BIOS type	UEFI 128 MB		
BIOS functions	ACPI 6.1 / SMBIOS 3.1 / UEFI 2.6 / PCI FW 3.2		
Operating system architecture	64-bit		
Supported operating systems	Microsoft Windows® - Server 2012 R2 - Server 2016 - Server 2019 Linux - RedHat RHEL - SuSe SLES Virtual (only for 8- and 12-core processor) - VMWare® ESXi 6.5 U1 - Citrix XenServer 7.2		
Power supply	2 x 180 Watt redundant / external		
Dimensions	W: 42 cm, H: 8.7 cm, L: 23.3 cm (16.5 in x 3.4 in x 9.2 in)		
Weight	9 kg		