

AKHET® Essential 1U-Intel NVMe

4010093893



Pictures show sample configurations, real product may vary.

COMPUTER UNIT

Processor	5 th Gen Intel® Xeon® Scalable Processors
Onboard graphics	ASPEED AST2600
Chipset	Intel® C741
Memory	Max. 256 GB DDR5 ECC reg.
Drives	2 x M.2 NVMe SSD onboard with Intel® VROC; up to 4 x 2.5" hot-swap NVMe SSD (attached via MCIO); up to 4 x 2.5" hot-swap NVMe SSD (prepared at Broadcom MegaRAID 9660-16i)
LAN	2 x 10GbE (Broadcom BCM57416); 2 x 1GbE (Intel® i210)
TPM	TPM 2.0
RAID Controller	Broadcom MegaRAID 9660-16i with CacheVault with up to 4 x 2.5" NVMe SSD
Remote-Management	IPMI2.0 with iKVM and vMedia support (ASPEED AST2600); dedicated IPMI LAN port (Realtek RTL8211FD)
OS	Windows Server 2025 certified; OS Support: Microsoft® Windows®: - Server 2022 (64bit); - Server 2025 (64bit); Linux®:- RedHat Enterprise Linux Server 9.0 (64bit) / Server 10.0 (64bit); - SUSE SLES 15.4 (64bit); - UBuntu 22.04 (64bit) / 26.04 (64bit); Hypervisor: - VMWare ESXi 8.0 / 9.1; - Proxmox VE 9.2
Expansion slots	1 x PCIe x16 full height, half length ²
Front I/O	1 x Power On/Off 2 x USB3.0 Indicator LEDs 10 x 2,5" Drive Bay
Rear I/O	2 x USB Typ-A (3.2) 5 x RJ45 (4 x LAN, 1 x IPMI) 1 x VGA 2 x IEC connector (C14)
Cooling	5 x 40x28 mm PWM fans, passive 1U CPU cooler

POWER

Power input	100-240 V AC; 50-60 Hz
Power supply	1U Redundant CRPS 1+1 650 W 80+ Platinum

SYSTEM

Dimensions (WxDxH)	438.5 x 660.0 x 43.5 mm
Material	Steel
Weight	Approx. 18 kg
Mounting	via slide rails in 19" rack
Coating/Color	w/o

ENVIRONMENTAL CONDITIONS

	Storage	Operating
Temperature	-20°C to +60°C	0°C to 30°C
Humidity ¹ (rel.)	10% to 95%	10% to 85%

CERTIFICATIONS

CE

INTENDED USE

Akhet® Rack Systems are specifically designed to be mounted in standard equipment rack. The intended use includes data centres, virtualization, database management with specific needs of various workloads and applications. Operation and service of the product should be carried out by instructed personnel only to avoid risk of injury from electrical shock or energy hazard.

*optional

²depending on configuration

¹non-condensing

³pending

DIMENSIONS

Pictures show sample configurations, real product may vary.

