वी.पी. कोइराला स्वास्थ्य बिज्ञान प्रतिष्ठान, धरानको
कोटेशन माग गरिएको सुचना
सुचना प्रकाशित मिति: २०८१/०१/२४

यस प्रतिष्ठानलाई आवश्यक तपशिलका उल्लेखित Hard Disk 8 TB for Server खरिद गर्नुपर्ने भएकोले ईजाजत प्राप्त प्रतिष्ठानमा सुचि दर्ता गरेको फर्म, संस्था, कम्पनीबाट अद्यावधिक फर्म दर्ता प्रमाणपत्र, मु.अ.कर दर्ता प्रमाणपत्र, आ.व.२०७९/०८० को कर चुक्ताको प्रमाणपत्र प्रतिहरु संलग्न गरी यो सुचना प्रकाशित मितिले ७ दिन भित्र कोटेशन पेश गर्नुहुन सुचित गरिन्छ । माग गरिएको कोटेशन तोकिएको म्याद भित्र प्रतिष्ठानको दर्ता चलानी फांटमा खामबन्दि दर्ता गर्नुहुन वा quotation.procurement@bpkihs.edu मा email मार्फत पेश गर्नुपर्नेछ ।

SN.	Product Name	Qty	Unit	Description
1	Network Attached Storage (NAS) with 8 TB Hard Disk	2	Nos	As per specification below

Specification

Rack Mount NAS- (QNAP Recommended)

- **2x1GbE LAN Integrated**
- 8-Bay Hot swappable Drive Bays
- **2 x 8TB NAS Storage SATA HDDs Included**
- AnnapurnaLabs Alpine AL324 64-bit ARM® Cortex-A57 4-core 1.7GHz processor
- Rack Mount Chassis with Rail Kits
- **250W Redundant Power Supply**
- RAID 0, 1, 5, 5+, 6, 6+, 10, 10+
- **4GB DDR4 UDIMM RAM**
- SSD, SATA NAS Storage Drives supports
- 4 * USB 3.2 Gen 1 Port
- 1x PCIe Gen2 x2 slot
- **Features included with:**
- SSD Caching, iSCSI Target, iSCSI LUN Snapshot/Backup
- **Thin-Provisioned Volume**
- Snapshot Protection
- Hardware Encryption Engine –AES-NI
- Volume Encryption
- SED Encryption
- RTRR- Real Time Remote Replication
- Client Backup Software - NetBak Replicator
- Active Directory Authentication
- **3 Years Parts and service warranty included**

QNAP

TS-832PXU-RP-4G

CPU	AnnapurnaLabs Alpine AL324 64-bit ARM® Cortex-A57 4-core 1.7GHz processor
CPU Architecture	64-bit ARM
Floating Point Unit	Yes
Encryption Engine	Yes
System Memory	4 GB UDIMM DDR4 (1 x 4 GB)
Maximum Memory	16 GB (1 x 16 GB)
Memory Slot	1 x UDIMM DDR4
Flash Memory	512 MB (Dual boot OS protection)
Drive Bay	8 x 3.5-inch SATA 6Gb/s, 3Gb/s
Drive Compatibility	3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives
Hot-swappable	Yes
M.2 Slot	Optional via a PCIe adapter
SSD Cache Acceleration Support	Yes
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)
10 Gigabit Ethernet Port	2 x 10GbE SFP+
Wake on LAN (WOL)	Yes
	Only the 2.5GbE port
Jumbo Frame	Yes

PCIe Slot	1 Slot 1: PCIe Gen 2 x2 PCIe bandwidth limitations will restrict the NAS 10GbE performance. Card dimensions for PCIe slot : 220 x 68.9x 18.76 mm / 8.67 x 2.71 x 0.74 inches.
USB 3.2 Gen 1 port	4
Form Factor	2U Rackmount
LED Indicators	HDD 1-8, Status, LAN, Storage expansion
Buttons	Power, Reset
Dimensions (HxWxD)	88.6 × 432 × 511 mm Excludes ear hook and the protruding part of the Power Supply Unit.
Weight (Net)	12.47 kg
Weight (Gross)	14.61 kg
Operating Temperature	0 - 40 °C (32°F - 104°F)
Storage Temperature	-20 - 70°C (-4°F - 158°F)
Relative Humidity	5-95% RH non-condensing, wet bulb: 27°C (80.6°F)
Power Supply Unit	250W (x2) PSU, 100 - 240V
Power Consumption: Operating Mode, Typical	69.191 W Tested with drives fully populated.
Fan	2 x 70mm, 12VDC
System Warning	Buzzer
Standard Warranty	3
Max. Number of Concurrent Connections (CIFS) - with Max. Memory	700

Note: Use only QNAP memory modules to maintain system performance and stability. For NAS devices with more than one memory slot, use QNAP modules with identical specifications and refer to the hardware user manual to install compatible QNAP memory modules.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting.

QNAP reserves the right to replace partial parts or accessories if the original is no longer available from its manufacturer/supplier. Any replacement would be fully tested and verified to meet strict compatibility and stability guidelines and will deliver identical performance to the original.

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Designs and specifications are subject to change without notice.