

QNAP TS-1279U-RP NAS/storage server Rack (2U) Black i3-2120



Brand : QNAP

Product code: TS-1279U-RP

Product name : TS-1279U-RP

TS-1279U-RP - Dual Core Intel® Core™ i3-2120 3.3 GHz, 2 GB DDR3 RAM, 512MB DOM, 2 x Gigabit RJ-45, 2xUSB 3.0, 4xUSB 2.0, 2U Rack

QNAP TS-1279U-RP. Storage drive interface: Serial ATA, Storage drive size: 2.5/3.5", Maximum supported storage capacity: 36 TB. Processor family: Intel® Core™ i3, Processor manufacturer: Intel, Processor model: i3-2120. Internal memory: 2 GB, Internal memory type: DDR3, Maximum RAM supported: 4 GB. Compliance industry standards: IEEE 802.3ad, Supported network protocols: CIFS/SMB, AFP (3.2), NFS(v3), FTP, HTTP, HTTPS, Telnet, SSH, iSCSI, SNMP, SMTP, SMC, Cabling technology: 10/100/1000Base-T(X). On-board graphics card base frequency: 850 MHz, On-board graphics card dynamic frequency (max): 1100 MHz, On-board graphics card ID: 0x102

Storage		Performance	
Storage drive interface *	Serial ATA	Noise level	54.6 dB
Storage drive size	2.5/3.5"	Management protocols	CIFS/SMB, AFP, FTP, NTLMv2
Maximum supported storage capacity	36 TB	Web-based management	✓
RAID levels	1, 5, 6, 10, JBOD	Security algorithms	256-bit AES, FIPS 140-2, SSH, SSL/TLS
Hot-swap drive bays	✓	Access Control List (ACL)	✓
Supported file systems	ext3, ext4, FAT32, HFS+, NTFS	Reset button	✓
Number of storage drives supported *	12	On/off switch	✓
Processor		Power	
Processor manufacturer *	Intel	Power supply unit (PSU) capacity	600 W
Processor generation	2nd gen Intel® Core™ i3	Redundant power supply (RPS) support	✓
Processor family *	Intel® Core™ i3	Power consumption (typical)	165 W
Processor model *	i3-2120	Power consumption (sleep)	68 W
Processor frequency *	3.3 GHz	Weight & dimensions	
Processor cores	2	Weight	15.9 kg
Processor threads	4	Packaging content	
Processor cache	3 MB	External power adapter	✗
L3 cache	3 MB	Processor special features	
Number of processors installed	1	Embedded options available	✓
Bus type	DMI	Enhanced Intel SpeedStep Technology	✓
CPU configuration (max)	1	Execute Disable Bit	✓
CPU multiplier (bus/core ratio)	33	Idle States	✓
PCI Express slots version	2.0	Intel 64	✓
Processor cache type	Smart Cache	Intel Dual Display Capable Technology	✓
Processor codename	Sandy Bridge	Intel Enhanced Halt State	✓
Processor lithography	32 nm	Intel Fast Memory Access	✓
Processor operating modes	64-bit	Intel FDI Technology	✓
Processor package size	37.5 x 37.5 mm	Intel Flex Memory Access	✓
Processor socket	LGA 1155 (Socket H2)	Intel Identity Protection Technology version	1.00
System bus rate	5 GT/s	Intel Trusted Execution Technology	✗
Tcase	69.1 °C	Intel Virtualization Technology (VT-x)	✓
Thermal Design Power (TDP)	65 W	Intel Virtualization Technology for Directed I/O (VT-d)	✗
On-board graphics card model	Intel® HD Graphics 2000	Intel VT-x with Extended Page Tables (EPT)	✓
Maximum internal memory supported by processor	32 GB	Intel® AES New Instructions (Intel® AES-NI)	✗
Memory bandwidth supported by processor (max)	21 GB/s		
Conflict-Free processor	✗		
Memory			
Internal memory type	DDR3		

Memory		Processor special features	
Maximum RAM supported	4 GB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Internal memory *	2 GB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Flash memory	512 MB	Intel® Identity Protection Technology (Intel® IPT)	✓
Network		Intel® Insider™	✓
DHCP client	✓	Intel® InTru™ 3D Technology	✓
DHCP server	✓	Intel® Quick Sync Video Technology	✓
Jumbo frames support	✓	Intel® Turbo Boost Technology	✗
iSCSI support	✓	Intel® Wireless Display (Intel® WiDi)	✗
Compliance industry standards	IEEE 802.3ad	Maximum number of PCI Express lanes	16
Supported network protocols	CIFS/SMB, AFP (3.2), NFS(v3), FTP, HTTP, HTTPS, Telnet, SSH, iSCSI, SNMP, SMTP, SMC	Thermal Monitoring Technologies	✓
Cabling technology	10/100/1000Base-T(X)	Memory channels supported by processor	Dual
Maximum data transfer rate	1000 Mbit/s	Operational conditions	
Ports & interfaces		Operating temperature (T-T)	0 - 40 °C
USB 2.0 ports quantity	4	Operating relative humidity (H-H)	0 - 90%
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2	Other features	
eSATA ports quantity	2	Dimensions (WxDxH)	439 x 520 x 88 mm
Ethernet LAN (RJ-45) ports *	2	Power requirements	100 - 240 VAC, 50/60Hz
eSATA	✓	Compatible operating systems	Microsoft Windows XP, Vista (32/64-bit), Windows 7 (32/64-bit), Server 2003/2008 R2, Apple Mac OS X, Linux, UNIX
Graphics		Networking features	Gigabit Ethernet
On-board graphics card base frequency	850 MHz	Expansion slots	2
On-board graphics card dynamic frequency (max)	1100 MHz	Fan	60 mm
On-board graphics card ID	0x102	Processor ARK ID	53426
Number of displays supported (on-board graphics)	2		
Design			
Chassis type *	Rack (2U)		
Product colour	Black		
Number of fans	3 fan(s)		
LED indicators	HDD, LAN, Status		
Performance			
Multilingual support	✓		

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