



# QNAP TS-EC880 Pro NAS Tower Ethernet LAN Black E3-1245V3



Brand : QNAP

Product code: TS-EC880PRO-32TB-RE

Product name : TS-EC880 Pro

TS-EC880 Pro, Intel Xeon 3.4GHz, Quad-Core, 2GB DDR3 , 8x 2.5/3.5", 512MB Flash, 10GbE-Ready, 4x RJ-45, 3x USB 3.0, 6x USB 2.0  
 QNAP TS-EC880 Pro. Total installed storage capacity: 32 TB, Installed storage drive type: HDD,  
 Supported storage drive types: HDD & SSD. Processor family: Intel® Xeon® E3 V3 Family, Processor  
 manufacturer: Intel, Processor model: E3-1245V3. Internal memory: 2 GB, Internal memory type: DDR3,  
 Maximum RAM supported: 16 GB. Ethernet LAN data rates: 10,100,1000 Mbit/s, Supported network  
 protocols: CIFS/SMB, AFP (v3.3), NFS (v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SNMP,  
 SMTP, SMC. Chassis type: Tower, Cooling type: Active, Product colour: Black

Storage		Performance	
Storage drive interface *	Serial ATA II, Serial ATA III	Backup function *	✓
Storage drive size	2.5/3.5"	Backup features	Cloud, iSCSI LUN
Storage drive sizes supported	2.5,3.5"	Buzzer	✓
RAID support *	✓	Management protocols	SNMP
RAID levels	0, 1, 5, 6, 10, JBOD	Web-based management	✓
Hot-swap drive bays	✓	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH, SSL/TLS
Supported file systems	ext3, ext4, FAT32, HFS+, NTFS	Access Control List (ACL)	✓
Storage drives installed *	✓	Reset button	✓
Total installed storage capacity *	32 TB	On/off switch	✓
Number of storage drives installed *	8	<b>Software</b>	
Number of storage drives supported *	8	Operating system installed *	QNAP Turbo System
Installed storage drive type *	HDD	Operating system version	4.1
Supported storage drive types *	HDD & SSD	Windows operating systems supported	✓
<b>Processor</b>		Linux operating systems supported	✓
Processor manufacturer *	Intel	Mac operating systems supported	✓
Processor family *	Intel® Xeon® E3 V3 Family	<b>Power</b>	
Processor model *	E3-1245V3	Power supply location	Built-in
Processor frequency *	3.4 GHz	Power supply unit (PSU) capacity	350 W
Processor boost frequency	3.8 GHz	AC input voltage	100-240 V
Processor cores	4	AC input frequency	50 - 60 Hz
Processor threads	8	<b>Weight &amp; dimensions</b>	
Processor cache	8 MB	Width *	327 mm
L3 cache	8 MB	Depth *	321.2 mm
Bus type	QPI	Height *	217.5 mm
CPU configuration (max)	1	Weight	12.5 kg
On-board graphics card model	Intel® HD Graphics P4600	Package weight	19.8 kg
Conflict-Free processor	✗	<b>Packaging content</b>	
<b>Memory</b>		Cables included	AC, LAN (RJ-45)
Internal memory type	DDR3	<b>Processor special features</b>	
Maximum RAM supported	16 GB	Embedded options available	✗
Memory slots	4	Enhanced Intel SpeedStep Technology	✓
Internal memory *	2 GB	Execute Disable Bit	✓
Flash memory	512 MB	Graphics & IMC lithography	22 nm
<b>Network</b>		Idle States	✓
Ethernet LAN *	✓	Intel 64	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Intel Dual Display Capable Technology	✓
DHCP client	✓	Intel Enhanced Halt State	✓
DHCP server	✓	Intel Fast Memory Access	✓
Jumbo frames support	✓	Intel FDI Technology	✓
iSCSI support	✓		
Wake-on-LAN ready	✓		

Network		Processor special features	
Supported network protocols	CIFS/SMB, AFP (v3.3), NFS (v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SNMP, SMTP, SMSC	Intel Flex Memory Access	✓
<b>Ports &amp; interfaces</b>		Intel Identity Protection Technology version	1.00
USB 2.0 ports quantity	6	Intel Secure Key Technology version	1.00
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	3	Intel Stable Image Platform Program (SIPP)	✓
eSATA ports quantity	2	Intel Stable Image Platform Program (SIPP) version	1.00
HDMI ports quantity	1	Intel Trusted Execution Technology	✓
Ethernet LAN (RJ-45) ports *	4	Intel TSX-NI	✓
<b>Design</b>		Intel TSX-NI version	1.00
Chassis type *	Tower	Intel Virtualization Technology (VT-x)	✓
Cooling type *	Active	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Product colour	Black	Intel VT-x with Extended Page Tables (EPT)	✓
Number of fans	2 fan(s)	<b>Operational conditions</b>	
Fan diameter	12 cm	Operating temperature (T-T)	0 - 40 °C
Drive bay locking	✓	Operating relative humidity (H-H)	5 - 95%
LED indicators	✓		
Built-in display	✓		
Cable lock slot	✓		
Cable lock slot type	Kensington		
<b>Performance</b>			
Type *	NAS		
Device class *	Large Enterprise Business		



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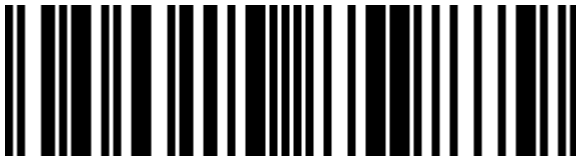
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