



QNAP TVS-882 NAS Tower Intel® Core™ i3 i3-6100 8 GB DDR4 48 TB HDD QNAP Turbo System Black



Brand : QNAP

Product code: TVS-882-I3-8G-48TB-GLD

Product name : TVS-882

48TB (Western Digital Gold HDD), Intel Core i3-6100 (3.7GHz), 8GB DDR4 (2133MHz), GbE LAN
 QNAP TVS-882. Type: NAS. Chassis type: Tower. Device class: Small & Medium Business. Processor family: Intel® Core™ i3, Processor model: i3-6100, Processor frequency: 3.7 GHz. Internal memory: 8 GB, Internal memory type: DDR4. Total installed storage capacity: 48 TB, Installed storage drive type: HDD. Operating system installed: QNAP Turbo System

Storage		Performance	
Storage drive interface *	Serial ATA III	Security algorithms	256-bit AES, HTTPS, SNMP, SSH
RAID support *	✓	Reset button	✓
RAID levels	0, 1, 5, 6, 10, 10+HS, JBOD	On/off switch	✓
Hot-swap drive bays	✓	Built-in iTunes server	✓
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4	Built-in FTP server	✓
Storage drives installed *	✓	Browser supported	Microsoft Internet Explorer 10+, Google Chrome, Apple Safari 7+, Mozilla Firefox
Total installed storage capacity *	48 TB	Hot spare	✓
Number of storage drives supported *	8	S.M.A.R.T. support	✓
Installed storage drive type *	HDD	Remotely operated	✓
Supported storage drive types *	HDD & SSD	Backup button	✓
Processor		Software	
Processor manufacturer *	Intel	Operating system installed *	QNAP Turbo System
Processor generation	6th gen Intel® Core™ i3	Operating system version	4.2
Processor family *	Intel® Core™ i3		Windows 10, Windows 10 Education, Windows 10 Education x64, Windows 10 Enterprise, Windows 10 Enterprise x64, Windows 10 Home, Windows 10 Home x64, Windows 10 IOT Core, Windows 10 Pro, Windows 10 Pro x64, Windows 7 Enterprise, Windows 7 Enterprise x64, Windows 7 Home Basic, Windows 7 Home Basic x64, Windows 7 Home Premium, Windows 7 Home Premium x64, Windows 7 Professional, Windows 7 Professional x64, Windows 7 Starter, Windows 7 Starter x64, Windows 7 Ultimate, Windows 7 Ultimate x64, Windows 8, Windows 8 Enterprise, Windows 8 Enterprise x64, Windows 8 Pro, Windows 8 Pro x64, Windows 8.1, Windows 8.1 Enterprise, Windows 8.1 Enterprise x64, Windows 8.1 Pro, Windows 8.1 Pro x64, Windows 8.1 x64
Processor model *	i3-6100	Windows operating systems supported	
Processor frequency *	3.7 GHz		
Processor cores	2		
Processor threads	4		
Processor cache	3 MB		
Bus type	DMI3		
CPU configuration (max)	1		
ECC supported by processor	✓		
PCI Express configurations	1x16, 1x8+2x4, 2x8		
PCI Express slots version	3.0		
Processor cache type	L3		
Processor code	SR2HG		
Processor codename	Skylake		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor package size	37.5 x 37.5 mm		
Processor series	Intel Core i3-6100 series		
Processor socket	LGA 1151 (Socket H4)		
Scalability	1S		
System bus rate	8 GT/s	Linux operating systems supported	✓
Tcase	65 °C	Mac operating systems supported	✓

Processor		Software	
Thermal Design Power (TDP)	51 W	Server operating systems supported	Windows Server 2003, Windows Server 2003 R2, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2
On-board graphics card model	Intel® HD Graphics 530		
Maximum internal memory supported by processor	64 GB		
Memory bandwidth supported by processor (max)	34.1 GB/s		
Conflict-Free processor	✓		
Memory		Power	
Internal memory *	8 GB	Power supply location	Built-in
Internal memory type	DDR4	Power supply unit (PSU) capacity	250 W
Memory clock speed	2133 MHz	Number of power supply units	1
Maximum RAM supported	64 GB	AC input voltage	100-240 V
Memory slots	4	AC input frequency	50 - 60 Hz
Memory form factor	DIMM	Weight & dimensions	
Flash memory	512 MB	Width *	292.8 mm
Network		Depth *	319.8 mm
Ethernet LAN *	✓	Height *	231.9 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight	9.05 kg
Ethernet LAN data rate supported (max)	10000 Mbit/s	Package weight	10.1 kg
Wi-Fi	✗	Packaging content	
DHCP client	✓	Cables included	AC, LAN (RJ-45)
DHCP server	✓	Quick start guide	✓
Jumbo frames support	✓	Number of screws	26
iSCSI support	✓	Remote control included	✓
Wake-on-LAN ready	✓	Processor special features	
Supported network protocols	CIFS/SMB, AFP (v3.3), NFS(v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SMTP, SMSC	Embedded options available	✓
		Enhanced Intel SpeedStep Technology	✓
		Execute Disable Bit	✓
		Graphics & IMC lithography	14 nm
		Idle States	✓
		Intel 64	✓
		Intel Clear Video Technology	✓
		Intel Enhanced Halt State	✓
		Intel Identity Protection Technology version	1.00
		Intel Secure Key Technology version	1.00
		Intel Small Business Advantage (SBA) version	1.00
		Intel Stable Image Platform Program (SIPP)	✗
		Intel Stable Image Platform Program (SIPP) version	0.00
		Intel Trusted Execution Technology	✗
		Intel TSX-NI	✗
		Intel TSX-NI version	0.00
		Intel Virtualization Technology (VT-x)	✓
		Intel Virtualization Technology for Directed I/O (VT-d)	✓
		Intel VT-x with Extended Page Tables (EPT)	✓
		Intel® AES New Instructions (Intel® AES-NI)	✓
		Intel® Clear Video HD Technology (Intel® CVT HD)	✓
		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
		Intel® Hyper Threading Technology (Intel® HT Technology)	✓
		Intel® Identity Protection Technology (Intel® IPT)	✓
		Intel® Insider™	✓
		Intel® InTru™ 3D Technology	✓
Ports & interfaces			
USB port *	✓		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	5		
HDMI ports quantity	3		
Ethernet LAN (RJ-45) ports *	4		
6.35 mm (1/4-inch) input	2		
3.5 mm (1/8-inch) out	✓		
PCI Express x4 (Gen 3.x) slots	1		
Graphics			
On-board graphics card base frequency	350 MHz		
On-board graphics card dynamic frequency (max)	1050 MHz		
On-board graphics card DirectX version	12.0		
On-board graphics card OpenGL version	4.4		
On-board graphics card ID	0x1912		
Maximum on-board graphics card memory	1.7 GB		
Number of displays supported (on-board graphics)	3		
Design			
Chassis type *	Tower		
Cooling type *	Active		
Product colour	Black		
Number of fans	2 fan(s)		
Fan diameter	8 cm		
LED indicators	HDD, SSD		
Built-in display	✓		
Display type	LCD		

Design		Processor special features	
Built-in speaker(s)	✓	Intel® OS Guard	✓
Number of built-in speakers	2	Intel® Quick Sync Video Technology	✓
Performance		Intel® Secure Key	✓
Type *	NAS	Intel® Small Business Advantage (Intel® SBA)	✓
Device class *	Small & Medium Business	Intel® Smart Cache	✓
Backup function *	✓	Intel® Turbo Boost Technology	✗
Backup features	Cloud, USB drive, iSCSI LUN	Intel® Wireless Display (Intel® WiDi)	✓
Buzzer	✓	Maximum number of PCI Express lanes	16
Multilingual support	✓	Thermal Monitoring Technologies	✓
Noise level	21.8 dB	Thermal solution specification	PCG 2015C
Management protocols	SNMP	Memory channels supported by processor	Dual
Web-based management	✓	Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM
		Memory voltage supported by processor	1.35 V
Operational conditions			
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%
Other features			
		Processor ARK ID	90729

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