

QNAP TS-253Be NAS Tower Ethernet LAN Black, Blue J3455



Brand : QNAP

Product code: TS-253BE-4G-US

Product name : TS-253Be

- The PCIe port supports installing a 10GbE network card, a QM2 dual-port M.2 SSD/10GbE card, a USB 3.1 10Gbps card or a compatible PCIe wireless adapter
 - 4K media playback and online transcoding; multimedia viewing on HDTV via HDMI output
 - Snapshots fully record the system status and data. If files are accidentally deleted or modified, you can quickly restore the previously-recorded data
 - Hybrid Backup Sync consolidates backup and sync tasks into a single app
 - Secure private cloud solution with high storage scalability
 - Supports containerized applications and hosting multi-OS virtual machines
- Intel Celeron J3455 (1.5/2.3GHz), 4GB DDR3L, Gigabit LAN

Storage		Performance	
Supported storage drive interfaces	Serial ATA III	Universal Plug and Play (UPnP)	✓
Storage drive sizes supported	2.5,3.5"	USB copy function	✓
RAID support *	✓	Software	
RAID levels	0, 1, 5+S, 5, 6, 10, JBOD	Operating system installed *	QNAP Turbo System
Hot-swap drive bays	✓	Operating system version	4.3.4
Supported file systems	FAT32, HFS+, NTFS, exFAT, ext3, ext4	Windows operating systems supported	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 Pro, Windows 10 Pro x64, Windows 7, 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 7 x64, Windows 8, Windows 8 Enterprise, Windows 8 Enterprise x64, Windows 8 Pro, Windows 8 Pro x64, Windows 8 x64
Storage drives installed *	✗	Linux operating systems supported	✓
Number of storage drives supported *	2	Mac operating systems supported	✓
Installed storage drive type *	HDD	Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016
Supported storage drive types *	HDD & SSD	Power	
Processor		Power supply location	External
Processor manufacturer *	Intel	Power supply unit (PSU) capacity	65 W
Processor family *	Intel® Celeron®	Number of power supply units	1
Processor model *	J3455	Power consumption (typical)	20.42 W
Processor frequency *	1.5 GHz	Power consumption (sleep)	13.07 W
Processor boost frequency	2.3 GHz	AC input voltage	100 - 240 V
Processor cores	4	Weight & dimensions	
Processor threads	4	Width *	105 mm
Processor cache	2 MB		
CPU configuration (max)	1		
ECC supported by processor	✗		
PCI Express configurations	1x2+2x1, 4x1		
PCI Express slots version	2.0		
Processor cache type	Smart Cache		
Processor code	SR2Z9		
Processor codename	Apollo Lake		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor package size	24 x 31 mm		
Processor socket	BGA 1296		
Stepping	B1		
Tjunction	105 °C		
Thermal Design Power (TDP)	10 W		
On-board graphics card model	Intel® HD Graphics 500		

Processor		Weight & dimensions	
Maximum internal memory supported by processor	8 GB	Depth *	226 mm
Conflict-Free processor	✓	Height *	168 mm
Memory		Weight	1.66 kg
Internal memory type	DDR3L	Package weight	2.76 kg
Memory clock speed	1866 MHz	Packaging content	
Maximum RAM supported	8 GB	External power adapter	✓
Memory slots	2x SODIMM	Cables included	AC, LAN (RJ-45)
Internal memory *	4 GB	Quick installation guide	✓
Flash memory	512 MB	Number of screws	6
Network		Processor special features	
Ethernet LAN *	✓	Embedded options available	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Enhanced Intel SpeedStep Technology	✓
Wi-Fi	✗	Execute Disable Bit	✓
DHCP client	✓	Idle States	✓
DHCP server	✓	Intel 64	✓
Jumbo frames support	✓	Intel Clear Video Technology	✓
iSCSI support	✓	Intel Enhanced Halt State	✓
Wake-on-LAN ready	✓	Intel Identity Protection Technology version	1.00
Supported network protocols	IPv4/v6, STP, FTP, CIFS/SMB, AFP, FXP, PPTP	Intel Rapid Storage Technology	✗
Link aggregation	✓	Intel Secure Boot	✓
Dynamic DNS (DDNS)	✓	Intel Secure Boot Technology version	1.00
WLAN adapter supported	✓	Intel Secure Key Technology version	1.00
Ports & interfaces		Intel Small Business Advantage (SBA) version	0.00
USB port *	✗	Intel Smart Connect Technology	✗
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	5	Intel Smart Connect Technology version	0.00
HDMI ports quantity	2	Intel Smart Response Technology version	0.00
HDMI version	1.4b	Intel Stable Image Platform Program (SIPP)	✗
Ethernet LAN (RJ-45) ports *	2	Intel Stable Image Platform Program (SIPP) version	0.00
3.5 mm (1/8-inch) out	✓	Intel Trusted Execution Technology	✗
Audio in/out	✓	Intel Virtualization Technology (VT-x)	✓
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card base frequency	250 MHz	Intel VT-x with Extended Page Tables (EPT)	✓
On-board graphics card burst frequency	750 MHz	Intel® AES New Instructions (Intel® AES-NI)	✓
On-board graphics card dynamic frequency (max)	750 MHz	Intel® Anti-Theft Technology (Intel® AT)	✗
Maximum on-board graphics card memory	8 GB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Number of displays supported (on-board graphics)	3	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Design		Intel® High Definition Audio (Intel® HD Audio)	✓
Chassis type *	Tower	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Cooling type *	Active	Intel® Identity Protection Technology (Intel® IPT)	✓
Product colour	Black, Blue	Intel® Insider™	✗
Number of fans	1 fan(s)	Intel® InTru™ 3D Technology	✗
Fan diameter	12 cm	Intel® OS Guard	✗
LED indicators	HDD, LAN, Power, Status, USB	Intel® Quick Sync Video Technology	✓
Cable lock slot	✓	Intel® Secure Key	✓
Cable lock slot type	Kensington	Intel® Small Business Advantage (Intel® SBA)	✗
Performance			
Type *	NAS		
Device class *	Small & Medium Business		
Backup function *	✓		
Backup features	Cloud, USB drive, iSCSI LUN		
Number of users	4096 user(s)		
Noise level	16.7 dB		

Performance		Processor special features	
Third-party support	✓	Intel® Smart Response Technology	✗
Snapshot	✓	Intel® Turbo Boost Technology	✗
Management protocols	SNMP	Intel® Wireless Display (Intel® WiDi)	✗
Web-based management	✓	Maximum number of PCI Express lanes	6
Share folder access right management	✓	Number of execution units	12
Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH	Thermal Monitoring Technologies	✓
Reset button	✓	UART	✓
On/off switch	✓	Memory channels supported by processor	Dual
Built-in BitTorrent client	✓	Memory types supported by processor	DDR3L, LPDDR3-SDRAM, LPDDR4-SDRAM
Built-in iTunes server	✓	Operational conditions	
Built-in FTP server	✓	Operating temperature (T-T)	0 - 40 °C
Browser supported	Apple Safari 7+, Google Chrome, Microsoft Internet Explorer 10+, Mozilla Firefox	Operating relative humidity (H-H)	5 - 95%
System log	✓	Other features	
Hot spare	✓	Processor ARK ID	95594
Share folder	512		
Remotely operated	✓		
Backup button	✓		

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