



QNAP TS-870 Pro NAS Tower Ethernet LAN Black i3-3220



Brand : QNAP

Product code: TS-870 PRO



Product name : TS-870 Pro

Intel Core i3-3220 (3M Cache, 3.30 GHz), 2GB DDR3, 8 x 2.5"/3.5" SATA 6 Gbps, max 32TB, Intel HD 2500, 2 x USB 3.0, 3 x USB 2.0, 2 x eSATA, HDMI, 350 W, 7400 g, Black
QNAP TS-870 Pro. Supported storage drive types: HDD, Storage drive interface: Serial ATA, Storage drive size: 2.5/3.5". Processor family: Intel® Core™ i3, Processor manufacturer: Intel, Processor model: i3-3220. Internal memory: 2.05 TB, Internal memory type: DDR3. Ethernet LAN data rates: 10,100,1000 Mbit/s. On-board graphics card base frequency: 650 MHz, On-board graphics card dynamic frequency (max): 1050 MHz, On-board graphics card ID: 0x152

Storage		Design	
Storage drive interface *	Serial ATA	Number of fans	2 fan(s)
Storage drive size	2.5/3.5"	Fan diameter	12 cm
Maximum supported storage capacity	32 TB	Drive bay locking	✓
RAID support *	✓	Built-in display	✓
RAID levels	0, 1, 5, 6, 10, JBOD	Display type	LCD
Hot-swap drive bays	✓	Performance	
Storage drives installed *	✗	Type *	NAS
Number of storage drives supported *	8	Number of users	4000 user(s)
Supported storage drive types *	HDD	Power	
Processor		Power supply unit (PSU) capacity	350 W
Processor manufacturer *	Intel	Number of power supply units	1
Processor generation	3rd gen Intel® Core™ i3	Weight & dimensions	
Processor family *	Intel® Core™ i3	Width *	298.2 mm
Processor model *	i3-3220	Depth *	235.4 mm
Processor frequency *	3.3 GHz	Height *	185.2 mm
Processor cores	2	Weight	7.4 kg
Processor threads	4	Package weight	8.7 kg
Processor cache	3 MB	Processor special features	
L3 cache	3 MB	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	✓
ECC supported by processor	✓	Intel 64	✓
PCI Express configurations	1x16, 2x8	Intel Enhanced Halt State	✓
PCI Express slots version	2.0	Intel Fast Memory Access	✓
Processor cache type	Smart Cache	Intel FDI Technology	✓
Processor codename	Ivy Bridge	Intel Flex Memory Access	✓
Processor lithography	22 nm	Intel Identity Protection Technology version	1.00
Processor operating modes	64-bit	Intel Secure Key Technology version	0.00
Processor package size	37.5 x 37.5 mm	Intel Trusted Execution Technology	✗
Processor series	Intel Core i3-3200 Desktop Series	Intel Virtualization Technology (VT-x)	✓
Processor socket	LGA 1155 (Socket H2)	Intel Virtualization Technology for Directed I/O (VT-d)	✗
System bus rate	5 GT/s	Intel VT-x with Extended Page Tables (EPT)	✓
Tcase	65.3 °C	Intel® AES New Instructions (Intel® AES-NI)	✗
Thermal Design Power (TDP)	55 W	Intel® Anti-Theft Technology (Intel® AT)	✓
On-board graphics card model	Intel® HD Graphics 2500	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Maximum internal memory supported by processor	32 GB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Memory bandwidth supported by processor (max)	25.6 GB/s		
Conflict-Free processor	✓		
Memory			
Internal memory type	DDR3		

Memory		Processor special features	
Internal memory *	2.05 TB	Intel® Identity Protection Technology (Intel® IPT)	✓
Network		Intel® Insider™	✓
Ethernet LAN *	✓	Intel® InTru™ 3D Technology	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Intel® My WiFi Technology (Intel® MWT)	✓
Wi-Fi	✗	Intel® Quick Sync Video Technology	✓
Wake-on-LAN ready	✓	Intel® Secure Key	✗
Ports & interfaces		Intel® Turbo Boost Technology	✗
USB 2.0 ports quantity	3	Intel® Wireless Display (Intel® WiDi)	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2	Thermal Monitoring Technologies	✓
eSATA ports quantity	2	Thermal solution specification	PCG 2011C
HDMI ports quantity	1	Memory channels supported by processor	Dual
Ethernet LAN (RJ-45) ports *	2	Memory types supported by processor	DDR3-SDRAM
Graphics		Other features	
On-board graphics card base frequency	650 MHz	Processor ARK ID	65693
On-board graphics card dynamic frequency (max)	1050 MHz		
On-board graphics card ID	0x152		
Number of displays supported (on-board graphics)	3		
Design			
Chassis type *	Tower		
Cooling type *	Active		
Product colour	Black		



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