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

Brand : QNAP

Product name : TS-870 Pro

Product code: 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

Storage drive interface *	Serial ATA
Storage drive size	2.5/3.5"
Maximum supported storage capacity	32 TB
RAID support *	✓
RAID levels	0, 1, 5, 6, 10, JBOD
Hot-swap drive bays	✓
Storage drives installed *	✗
Number of storage drives supported *	8
Supported storage drive types *	HDD

Processor

Processor manufacturer *	Intel
Processor generation	3rd gen Intel® Core™ i3
Processor family *	Intel® Core™ i3
Processor model *	i3-3220
Processor frequency *	3.3 GHz
Processor cores	2
Processor threads	4
Processor cache	3 MB
L3 cache	3 MB
Bus type	DMI
CPU configuration (max)	1
CPU multiplier (bus/core ratio)	33
ECC supported by processor	✓
PCI Express configurations	1x16, 2x8
PCI Express slots version	2.0
Processor cache type	Smart Cache
Processor codename	Ivy Bridge
Processor lithography	22 nm
Processor operating modes	64-bit
Processor package size	37.5 x 37.5 mm
Processor series	Intel Core i3-3200 Desktop Series
Processor socket	LGA 1155 (Socket H2)
System bus rate	5 GT/s
Tcase	65.3 °C
Thermal Design Power (TDP)	55 W
On-board graphics card model	Intel® HD Graphics 2500
Maximum internal memory supported by processor	32 GB
Memory bandwidth supported by processor (max)	25.6 GB/s
Conflict-Free processor	✓

Memory

Internal memory type	DDR3

Design

Number of fans	2 fan(s)
Fan diameter	12 cm
Drive bay locking	✓
Built-in display	✓
Display type	LCD

Performance

Type *	NAS
Number of users	4000 user(s)

Power

Power supply unit (PSU) capacity	350 W
Number of power supply units	1

Weight & dimensions

Width *	298.2 mm
Depth *	235.4 mm
Height *	185.2 mm
Weight	7.4 kg
Package weight	8.7 kg

Processor special features

Embedded options available	✓
Enhanced Intel SpeedStep Technology	✓
Execute Disable Bit	✓
Idle States	✓
Intel 64	✓
Intel Enhanced Halt State	✓
Intel Fast Memory Access	✓
Intel FDI Technology	✓
Intel Flex Memory Access	✓
Intel Identity Protection Technology version	1.00
Intel Secure Key Technology version	0.00
Intel Trusted Execution Technology	✗
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® Anti-Theft Technology (Intel® AT)	✓
Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Intel® Hyper Threading Technology (Intel® HT Technology)	✓

Memory

Internal memory *	2.05 TB

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Wi-Fi	✘
Wake-on-LAN ready	✔

Ports & interfaces

USB 2.0 ports quantity	3
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2
eSATA ports quantity	2
HDMI ports quantity	1
Ethernet LAN (RJ-45) ports *	2

Graphics

On-board graphics card base frequency	650 MHz
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

Processor special features

Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Insider™	✔
Intel® InTru™ 3D Technology	✔
Intel® My WiFi Technology (Intel® MWT)	✔
Intel® Quick Sync Video Technology	✔
Intel® Secure Key	✘
Intel® Turbo Boost Technology	✘
Intel® Wireless Display (Intel® WiDi)	✔
Thermal Monitoring Technologies	✔
Thermal solution specification	PCG 2011C
Memory channels supported by processor	Dual
Memory types supported by processor	DDR3-SDRAM

Other features

Processor ARK ID	65693

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