QNAP

QNAP TS-459 PRO II Tower Intel Atom® D525 1 GB DDR3

Brand : QNAP

Product name : TS-459 PRO II

Product code: TS-459-PROII-EU

TS-459 PRO II - Intel Atom D525 (1M Cache, 1.80 GHz), 1GB DDR3, 2x RJ45, 4x USB 2.0, 2x USB 3.0, 2x eSATA, 3650g, Black
QNAP TS-459 PRO II. Chassis type: Tower. Processor family: Intel Atom®, Processor model: D525, Processor frequency: 1,8 GHz. Internal memory: 1 GB, Internal memory type: DDR3

Storage

Storage drive interface *	Serial ATA II, Serial ATA III
Storage drive size	2.5/3.5"
Maximum supported storage capacity	2 TB
RAID levels	0, 1, 5, 6, 10
Supported file systems	ext3, ext4, FAT32, HFS+, NTFS
Number of storage drives supported *	4

Processor

Processor manufacturer *	Intel
Processor family *	Intel Atom®
Processor model *	D525
Processor frequency *	1,8 GHz
Processor cores	2
Processor threads	4
Processor cache	1 MB
L2 cache	1 MB
Number of processors installed	1
Bus type	DMI
ECC supported by processor	✗
Physical Address Extension (PAE)	32 bit
Processing Die size	87 mm²
Processor cache type	L2
Processor code	SLBXC
Processor codename	Pineview
Processor lithography	45 nm
Processor operating modes	64-bit
Processor package size	22 x 22 mm
Processor socket	BGA 559
Stepping	B0
Tjunction	100 °C
Thermal Design Power (TDP)	13 W
Maximum internal memory supported by processor	4 GB
Memory bandwidth supported by processor (max)	6,4 GB/s
Conflict-Free processor	✗

Memory

Internal memory *	1 GB

Design

LED indicators	HDD, LAN, Power, Yes
Display type	LCD

Performance

Buzzer	✔
Management protocols	SNMP
Web-based management	✔
Security algorithms	256-bit AES, HTTPS, SSH, SSL/TLS
Access Control List (ACL)	✔
Reset button	✔
On/off switch	✔

Power

Power supply unit (PSU) capacity	250 W
Power consumption (typical)	35 W
Power consumption (sleep)	19 W

Weight & dimensions

Weight	3,65 kg

Processor special features

Embedded options available	✔
Enhanced Intel SpeedStep Technology	✗
Execute Disable Bit	✔
Idle States	✗
Intel 64	✔
Intel Demand Based Switching	✗
Intel Enhanced Halt State	✗
Intel Trusted Execution Technology	✗
Intel Virtualization Technology (VT-x)	✗
Intel Virtualization Technology for Directed I/O (VT-d)	✗
Intel® AES New Instructions (Intel® AES-NI)	✗
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	✗
Number of Processing Die Transistors	176 M

Memory

Internal memory type	DDR3
Maximum RAM supported	3 GB
Flash memory	512 MB

Network

DHCP client	✔
DHCP server	✔
Jumbo frames support	✔
iSCSI support	✔
Supported network protocols	TCP/IP
Maximum data transfer rate	1000 Mbit/s

Ports & interfaces

USB 2.0 ports quantity	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2
VGA (D-Sub) ports quantity	1
eSATA ports quantity	2
Ethernet LAN (RJ-45) ports *	2

Design

Chassis type *	Tower
Number of fans	1 fan(s)

Processor special features

Thermal Monitoring Technologies	✘
Memory channels supported by processor	Single

Operational conditions

Operating temperature (T-T)	0 - 45 °C
Operating relative humidity (H-H)	0 - 95%

Other features

Dimensions (WxDxH)	177 x 180 x 235 mm
Power requirements	100-240V
Compatible operating systems	Windows 2000 (32/64bit) XP (32/64bit) Vista (32/64bit) 7 (32/64bit) Windows Server 2003 2008 Mac OS X Linux Unix
Networking features	Gigabit Ethernet
Minimum system requirements	Internet Explorer 7/8 Firefox 3 Safari 3/4 Google Chrome
Maximum internal memory	3072 MB
Power LED	✔
Connectivity LEDs	✔
Fan	90 mm
Processor ARK ID	49490

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