



QNAP ES1686dc R2 NAS Rack (3U) Intel® Xeon® D D-2142IT 48 GB DDR4 0 TB QNAP QES Black, Grey

Brand : QNAP

Product code: ES1686DC-R2-2142IT-96G

Product name : ES1686dc R2

Intel Xeon D-2142IT 8-core 1.90 GHz, 48 GB RDIMM DDR4 ECC (4 x 4 GB+4 x 8GB), 16 x 3.5-inch, 4 x 10GbE SFP+, 132 x 446.2 x 587.75 mm

QNAP ES1686dc R2. Type: NAS. Chassis type: Rack (3U). Device class: Large Enterprise Business.

Processor family: Intel® Xeon® D, Processor model: D-2142IT, Processor frequency: 1.9 GHz. Internal memory: 48 GB, Internal memory type: DDR4. Total installed storage capacity: 0 TB. Operating system installed: QNAP QES



Storage		Ports & interfaces	
Storage drive capacity *	0 GB	PCI Express x8 (Gen 3.x) slots	2
Supported storage drive interfaces	Serial Attached SCSI (SAS)	Design	
Storage drive sizes supported	2.5,3.5"	Chassis type *	Rack (3U)
RAID support *	✓	Cooling type *	Active
RAID levels	0, 1, 5, 6, 10, 50, 60	Product colour	Black, Grey
Online RAID migration	✓	Number of fans	2 fan(s)
Online RAID expansion	✓	Fan diameter	6 cm
Hot-swap drive bays	✓	Fan diameter 2	6 cm
Storage drives installed *	✗	LED indicators	✓
Total installed storage capacity *	0 TB	Performance	
Number of storage drives supported *	16	Type *	NAS
Installed storage drive type *	✗	Device class *	Large Enterprise Business
Supported storage drive types *	HDD & SSD	Backup function *	✓
Processor		Buzzer	✓
Processor manufacturer *	Intel	Multilingual support	✓
Processor family *	Intel® Xeon® D	Access Control List (ACL)	✓
Processor model *	D-2142IT	Reset button	✓
Processor frequency *	1.9 GHz	On/off switch	✓
Processor boost frequency	3 GHz	Hot spare	✓
Processor cores	8	S.M.A.R.T. support	✓
Memory		Software	
Internal memory *	48 GB	Operating system installed *	QNAP QES
Internal memory type	DDR4	Power	
Maximum RAM supported	512 GB	Power supply location	Built-in
Memory slots	8	Power supply unit (PSU) capacity	700 W
Memory form factor	RDIMM/LRDIMM	Number of power supply units	1
ECC	✓	Redundant power supply (RPS) support	✓
Flash memory	4000 MB	Power consumption (typical)	500.87 W
Network		AC input voltage	90-264 V
Ethernet LAN *	✓	Fan voltage	12 V
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight & dimensions	
Jumbo frames support	✓	Width *	446.2 mm
iSCSI support	✓		

Network		Weight & dimensions	
Supported network protocols	CIFS/SMB2/SMB3, NFS v3/NFS v4.1, FTP, FTPS, TFTP, HTTP, HTTPS, SSH, iSCSI, Fibre Channel, SNMP, SMTP, SMSC	Depth *	587.8 mm
		Height *	132 mm
Ports & interfaces		Packaging content	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2	Cables included	AC, LAN (RJ-45), RS-232
Fiber ports quantity	4	Power cables quantity	2
Fiber optic connector	SFP+	Rack mount kit	✓
Ethernet LAN (RJ-45) ports *	3	Number of screws	64
		Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%
		Storage temperature (T-T)	-20 - 70 °C

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