



TerraMaster F5-422 NAS/storage server Desktop Intel® Celeron® J3455 4 GB DDR3 0 TB Grey

Brand : TerraMaster

Product code: F5-422

Product name : F5-422

Intel Celeron J3455, 1.5/2.3GHz, 4GB, 5 x 3.5"/2.5" SATA HDD/SSD, 227 x 225 x 136 mm
TerraMaster F5-422. Type: NAS. Chassis type: Desktop. Device class: Small & Medium Business.
Processor family: Intel® Celeron®, Processor model: J3455, Processor frequency: 1.5 GHz. Internal memory: 4 GB, Internal memory type: DDR3. Total installed storage capacity: 0 TB



Storage		Software	
Storage drive capacity *	0 GB	Windows operating systems supported	✓
Supported storage drive interfaces	Serial ATA	Linux operating systems supported	✓
Storage drive sizes supported	2.5,3.5"	Mac operating systems supported	✓
Maximum supported storage capacity	80 TB	Power	
RAID support *	✓	Power supply location	External
RAID levels	0, 1, 5, 6, 10, JBOD	Power supply unit (PSU) capacity	90 W
Online RAID migration	✓	Number of power supply units	1
Hot-swap drive bays	✓	Power consumption (typical)	46.6 W
Supported file systems	BTRFS, FAT32, HFS+, NTFS, ext3, ext4	AC input voltage	100-240 V
Storage drives installed *	✗	AC input frequency	50 - 60 Hz
Total installed storage capacity *	0 TB	Output voltage	12 V
Number of storage drives supported *	5	Weight & dimensions	
Installed storage drive type *	✗	Width *	225 mm
Supported storage drive types *	HDD & SSD	Depth *	136 mm
Processor		Height *	227 mm
Processor manufacturer *	Intel	Weight	2.3 kg
Processor family *	Intel® Celeron®	Package width	275 mm
Processor model *	J3455	Package depth	186 mm
Processor frequency *	1.5 GHz	Package height	300 mm
Processor boost frequency	2.3 GHz	Package weight	3.56 kg
Processor cores	4	Packaging content	
Processor threads	4	External power adapter	✓
Processor cache	2 MB	Cables included	AC, LAN (RJ-45)
CPU configuration (max)	1	Processor special features	
PCI Express configurations	1x2+2x1, 4x1	Embedded options available	✓
PCI Express slots version	2.0		

Processor		Processor special features	
Processor cache type	Smart Cache	Enhanced Intel SpeedStep Technology	✓
Processor code	SR2Z9	Execute Disable Bit	✓
Processor codename	Apollo Lake	Idle States	✓
Processor lithography	14 nm	Intel 64	✓
Processor operating modes	64-bit	Intel Clear Video Technology	✓
Processor package size	24 x 31 mm	Intel Enhanced Halt State	✓
Processor socket	BGA 1296	Intel Identity Protection Technology version	1.00
Stepping	B1	Intel Rapid Storage Technology	✗
Tjunction	105 °C	Intel Secure Boot	✓
Thermal Design Power (TDP)	10 W	Intel Secure Boot Technology version	1.00
On-board graphics card model	Intel® HD Graphics 500	Intel Secure Key Technology version	1.00
Maximum internal memory supported by processor	8 GB	Intel Small Business Advantage (SBA) version	0.00
Conflict-Free processor	✓	Intel Smart Connect Technology	✗
Memory		Intel Smart Connect Technology version	0.00
Internal memory *	4 GB	Intel Smart Response Technology version	0.00
Internal memory type	DDR3	Intel Stable Image Platform Program (SIPP)	✗
Maximum RAM supported	12 GB	Intel Stable Image Platform Program (SIPP) version	0.00
Memory slots	1	Intel Trusted Execution Technology	✗
Network		Intel Virtualization Technology (VT-x)	✓
Ethernet LAN *	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Ethernet LAN data rates	1000,10000 Mbit/s	Intel VT-x with Extended Page Tables (EPT)	✓
Ethernet LAN data rate supported (max)	10000 Mbit/s	Intel® AES New Instructions (Intel® AES-NI)	✓
iSCSI support	✓	Intel® Anti-Theft Technology (Intel® AT)	✗
Supported network protocols	CIFS/SAMBA, NFS, FTP, TFTP, HTTPS, SSH, iSCSI, SNMP, SMTP	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Link aggregation	✓	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Dynamic DNS (DDNS)	✓	Intel® High Definition Audio (Intel® HD Audio)	✓
Ports & interfaces		Intel® Hyper Threading Technology (Intel® HT Technology)	✗
USB port *	✓	Intel® Identity Protection Technology (Intel® IPT)	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2	Intel® Insider™	✗
HDMI ports quantity	1	Intel® InTru™ 3D Technology	✗
Ethernet LAN (RJ-45) ports *	3	Intel® OS Guard	✗
Graphics		Intel® Quick Sync Video Technology	✓
On-board graphics card base frequency	250 MHz	Intel® Secure Key	✓
On-board graphics card burst frequency	750 MHz	Intel® Small Business Advantage (Intel® SBA)	✗
On-board graphics card dynamic frequency (max)	750 MHz	Intel® Smart Response Technology	✗
Maximum on-board graphics card memory	8 GB	Intel® Turbo Boost Technology	✗
Number of displays supported (on-board graphics)	3	Intel® Wireless Display (Intel® WiDi)	✗
Design		Maximum number of PCI Express lanes	6
Chassis type *	Desktop	Number of execution units	12
Cooling type *	Active	Thermal Monitoring Technologies	✓
Product colour	Grey	UART	✓
Number of fans	2 fan(s)		
Fan diameter	8 cm		
Fan diameter 2	8 cm		
LED indicators	HDD, LAN, Power		
Built-in display	✗		
Performance			
Type *	NAS		
Device class *	Small & Medium Business		
Backup function *	✓		

Performance		Processor special features	
Backup features	Cloud, USB drive	Memory types supported by processor	DDR3L, LPDDR3-SDRAM, LPDDR4-SDRAM
Multilingual support	✓	Operational conditions	
Number of users	2048 user(s)	Operating temperature (T-T)	5 - 40 °C
Noise level	19.8 dB	Operating relative humidity (H-H)	5 - 95%
Third-party support	✓	Storage temperature (T-T)	-20 - 60 °C
Snapshot	✓	Other features	
Management protocols	SNMP	Digital Living Network Alliance (DLNA) certified	✓
Web-based management	✓	Compliance certificates	RoHS
Security algorithms	AES, HTTPS, SNMP, SSH	Certification	FCC, CE, CCC, KC
Access Control List (ACL)	✓	Processor ARK ID	95594
On/off switch	✓		
Browser supported	Google Chrome 48, Microsoft Internet Explorer 9, Mozilla Firefox 30,Apple Safari 4.5		
System log	✓		
Hot spare	✓		
S.M.A.R.T. support	✓		
Share folder	512		
Universal Plug and Play (UPnP)	✓		



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