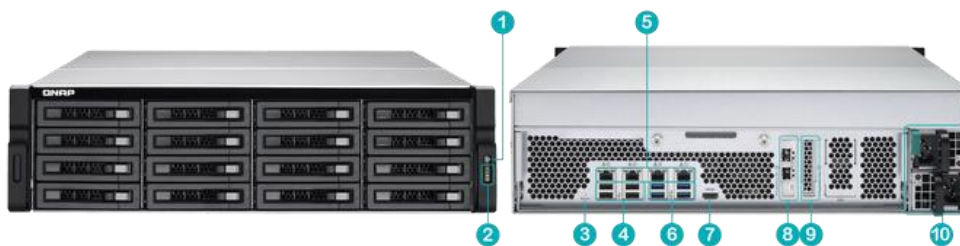


Technische Details zu: Qnap TS-EC1680U-E3-4GE-R2 - ohne Harddisk

Model Name	TS-EC1680U-E3-4GE-R2 TS-EC1680U-i3-4GE-R2 TS-EC1680U-i3-8G-R2
CPU	TS-EC1680U-E3-4GE-R2: Intel® Xeon® E3 Quad-core processor TS-EC1680U-i3-4GE-R2: Intel® Core i3-4150 processor TS-EC1680U-i3-8G-R2: Intel® Core i3-4150 processor Total memory slots: 4 TS-EC1680U-E3-4GE-R2/ TS-EC1680U-i3-4GE-R2: System memory: 4 GB DDR3 ECC RAM Memory module pre-installed: 2 GB x2 Memory expandable up to: 32 GB (8GB x4)
Memory	TS-EC1680U-i3-8G-R2: System memory: 8 GB DDR3 non-ECC RAM Memory module pre-installed: 4 GB x2 Memory expandable up to: 32 GB (8GB x4)
	Note: When upgrading RAM to more than 28GB, the original 4GB RAM modules must be removed. For the information of RAM module installation and compatible NAS models, please refer to the QNAP RAM Module Installation Guide
Flash Memory	512MB DOM Two mSATA port on board for read caching
Internal Cache Port	Note: The standard system is shipped without mSATA flash. For the optional mSATA flash, please visit http://shop.qnap.com/ 16 x 3.5-inch SATA 6Gbps/3Gbps hard drive or 2.5-inch SATA, 6Gbps/3Gbps hard drive SSD hard drive NOTE:
Hard Drive	The standard system is shipped without hard drives. For the hard drive compatibility list, please visit Compatibility list
Hard Drive Tray	16 x hot-swappable and lockable tray Built-in 2 x 10 GbE (SFP+) and 4 x GbE 40GbE is optional
LAN Port	Note: 1. For the optional network card compatibility list, please visit Compatibility list of Expansion Card

2. For the information of network card installation, please refer to chapter 6 in the Turbo NAS Hardware Manual.

LED Indicators	Status, 10 GbE, LAN, eSATA, storage expansion port status
USB	4x USB 3.0 port (rear) 4x USB 2.0 port (rear)
Buttons	Support USB printer, pen drive, USB hub, and USB UPS etc. System: Power button and reset button
Alarm Buzzer	System warning
Form Factor	3U, Rackmount
Dimensions	130(H) x 442.5(W) x 530.5(D) mm 5.12(H) x 17.42(W) x 20.89(D) inch
Weight	Net weight (NAS only) : 18.3 kg/40.34 lb Gross weight (with packing and accessories) : 24.18 kg/ 53.30 lb
Sound Level (dB)	Sound Level (dB) Sound pressure (LpAm) (bystander position): 40.1 dB (with 16 x HITACHI HUS724020ALA640 hard drive installed)
Power Consumption (W)	Sleep mode: 82.4 In Operation: 166.58 W (with 16 x HITACHI HUS724020ALA640 hard drive installed)
Temperature	0-40°C
Relative Humidity	5~95% non-condensing, wet bulb: 27°C.
Power Supply	Redundant power: Input: 50-60 Hz; 100-127V~/ 8.5A; 200-240V/ 4.2A Output: 650W 2 (Right slot: 1* PCIe Gen3 x8; Left slot: 1* PCIe Gen3 x4)
PCIe Slot	Note: The PCIe Gen3 x8 slot is occupied by a 10GbE network adapter.
Fan	4 x 8 cm smart cooling fan



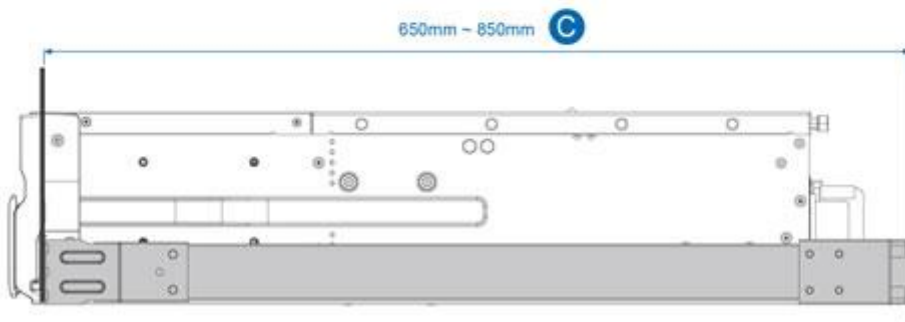
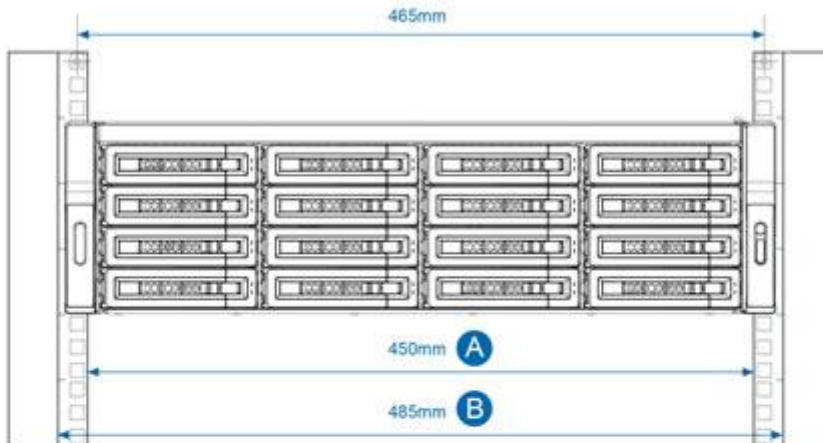
- | | |
|--|-----------------------------|
| 1. Power Button | 6. USB 3.0 Port x 4 |
| 2. LED Indicators:
10 GbE, Status, LAN, Storage Expansion Port Status | 7. HDMI port |
| 3. Password & Network Settings Reset Button | 8. Dual port 10GbE SFP+ |
| 4. USB 2.0 Port x 4 | 9. PCIe slot (PCIe Gen3 x4) |
| 5. Gigabit LAN x 4 | 10. Power connector |

Remark:

The TS-x80 rack mount models comply with ANSI/EIA-RS-310-D rack mounting standards. Before purchasing the server racks for these models, please make sure the server racks conform to the following criteria:

1. Rack size

- A. Mounting post width : $\geq 450\text{mm}$
- B. Panel width : $\geq 485\text{mm}$
- C. Mounting post depth : $650\text{mm}\sim 850\text{mm}$



2. The optional rack kits for the TS-x80 rack mount models are only compatible with square-hole server racks.



Designs and specifications are subject to change without notice.