



JetFlash 890S

USB 3.1 OTG Flash Drive

JetFlash 890S

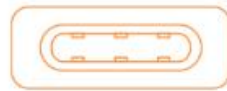


Product	JF890S
Capacity	16GB, 32GB, 64GB
Size (mm)	28.65 × 14.33 × 8.63
Interface	USB 3.1 (Gen1)
Performance	Read: 90 MB/sec (max.) Write: 30 MB/sec (max.)
Certificates	CE, FCC, BSMI
System Requirement	Windows 10/8.1/ 8/ 7 Vista/ XP/ Me/ 2000 Mac OS 9.0 or later Linux Kernel 2.4.2 or later

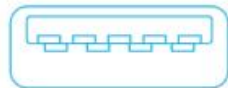
Feature 1 – Dual Interface

- JF890 - **Dual access** storage

Dual interface that works with both standard USB and USB Type-C ports.



USB Type-C
connector



USB 3.1 Gen 1
connector



USB 3.1 Gen 1

- USB 3.0 has been renamed “**USB 3.1 Gen 1**”, with data transfer rate at 5Gb/s
- USB 3.1 Gen 2 is the one with 10Gb/s

Characteristic	USB 2.0	USB 3.1 Gen 1 (USB 3.0)	USB 3.1 Gen 2
Compatibility	Backward Compatible (1.1)	Backward Compatible (1.1 / 2.0)	Backward Compatible (2.0 / 3.0)
Bandwidth	480Mb/s	5Gb/s	10Gb/s
Encoded Loss	20%(8b/10b)	20% (8b/10b)	3% (128b/132b)
Data Transfer Rate	480Mb *(1-20%) = 48MB/s	5Gb *(1-20%) = 500MB/s	10Gb *(1-3%) = 1200MB/s
Data transfer time (25GB*)	9min (theoretical value)	50sec (theoretical value)	21sec (theoretical value)

*Note: Based on a 4-hour of Full HD BluRay movie

USB Type C



- **Type-C** is the new connector type for USB devices
- Features
 - Type-C is smaller than any existing USB 3.0 plugs
 - Robust EMI solution design
 - **Plug orientation is completely reversible.** Data transfer with one-time plug-in.



USB Type C:
Reversible



USB Type A:
Nonreversible



Feature 2 - Tiny and Robust

- **COB** (Chip on Board) manufacturing technique
 - Compact size and lightweight
 - Rugged to resist dust and even full water submersion



Feature 3 – No More Lost Caps

- The cap is designed to fit in with both ends of the JetFlash 890.



Feature 4 - Free Value-added Software

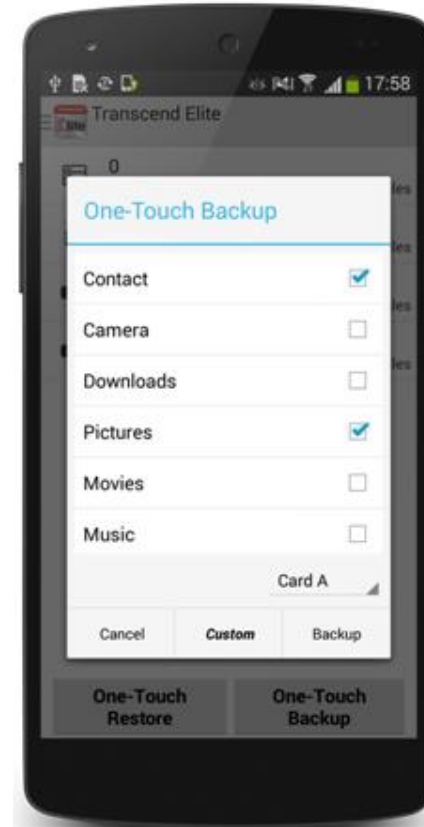


- Free exclusive app “**Transcend Elite**”
 - Supported OTG devices: OTG drive / OTG card reader
- A useful file manager

File encryption/decryption



One-Touch back-up



Packaging



- No strap is included.

Device Compatibility (1)

- Device requirement:
 - PC / NB with standard USB connector
 - PC / NB with USB Type C connector (Compatible with host controller: ASMedia 1142)
 - Smart phones / Tablet with **USB Type C connector**
and also supports **USB OTG function**
- PC / NB:
 - **ASUS Z170-DELUXE**
 - **12-inch MacBook (2015)**



- To be tested:

Category	Devices	Compatibility
NB	Google Chromebook pixel 2015	To be tested
	Asus Transformer Book T100HA	To be tested








Device Compatibility (2)

- Smart phones / Tablet :
 - To be tested

Category	Devices	Compatibility
Smart phone	Samsung S6 Edge Plus	To be tested
	Samsung Note 5	To be tested
	Lenovo ZUK Z1	To be tested
	Letv 1 Pro	To be tested
	Letv MAX	To be tested
	Letv 1	To be tested
	OnePlus 2	To be tested
Tablet	ASUS ZenPad S 8.0	To be tested



Transcend OTG Product – JetFlash (1)

Product	JF890S 	JF880S 	JF380G 	JF380S 	JF340 
Connector	USB Type C	micro USB	micro USB		micro USB
Interface	USB 3.1 Gen 1	USB 3.1 Gen 1	USB 2.0		USB 2.0
Capacity	16G, 32G, 64G	16G, 32G, 64G	8G, 16G, 32G, 64G		8G, 16G, 32G, 64G
Size (mm)	28.65 × 14.33 × 8.63	26.8 × 12.2 × 4.55	28.1 × 12.25 × 4.5		51.6 × 17.4 × 8.2
Weight (g)	3	3	3.2		5
Performance (R/W)	Up to 90/30 MB/s	Up to 90/24 MB/s	Up to 20/10 MB/s		Up to 20/10 MB/s
Note	Limited lifetime warranty / Supports Transcend Elite App				

Transcend OTG Product – JetFlash (2)

- Detailed performance comparison:

Product		JF890S	JF880S	JF380G / JF380S
				
Performance	8G	-	-	20 / 5 MB/s
	16G	90 / 15 MB/s	90 / 12 MB/s	20 / 5 MB/s
	32G	90 / 30 MB/s	90 / 20 MB/s	20 / 7 MB/s
	64G	90 / 30 MB/s	90 / 24 MB/s	20 / 10 MB/s



Thank You