



Turnkey Solutions for Media & Entertainment

Save money & time with storage & software for advanced media workflows all in one Tiger Box.

Tiger Box appliances are state-of-the-art, all-in-one, high-performance shared storage systems that offer the simplicity of NAS and the performance characteristics of a true SAN. Combined with the Tiger Technology software modules, they are **complete workflow systems** allowing a flexible start-to-finish production.

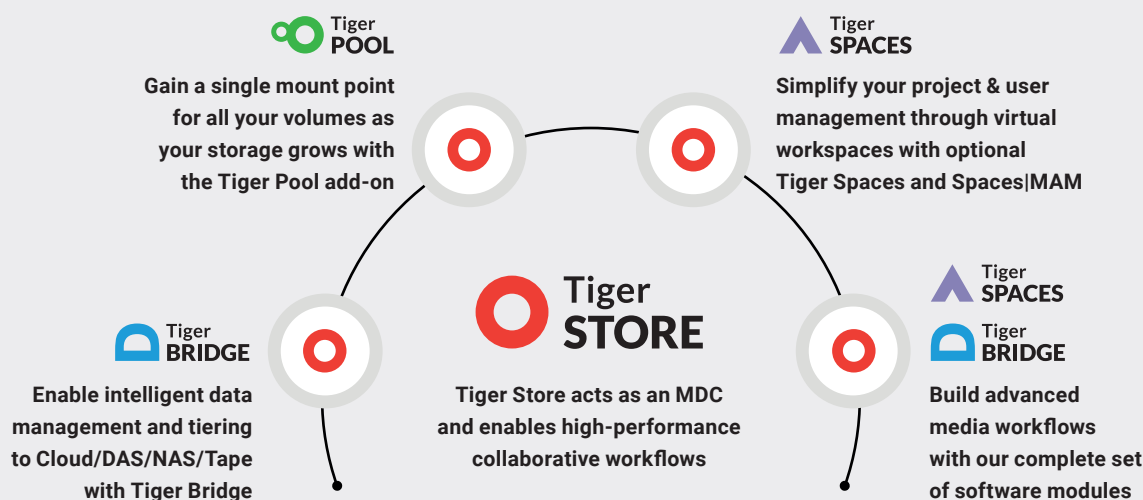
The wide variety of Tiger Box appliances (1U, 3U and 4U) gives you a choice to best suit your production needs. Each Tiger Box can accommodate up to four Tiger Expansion chassis (3U16 or 4U24) allowing you to **scale up to petabytes** of usable storage capacity.

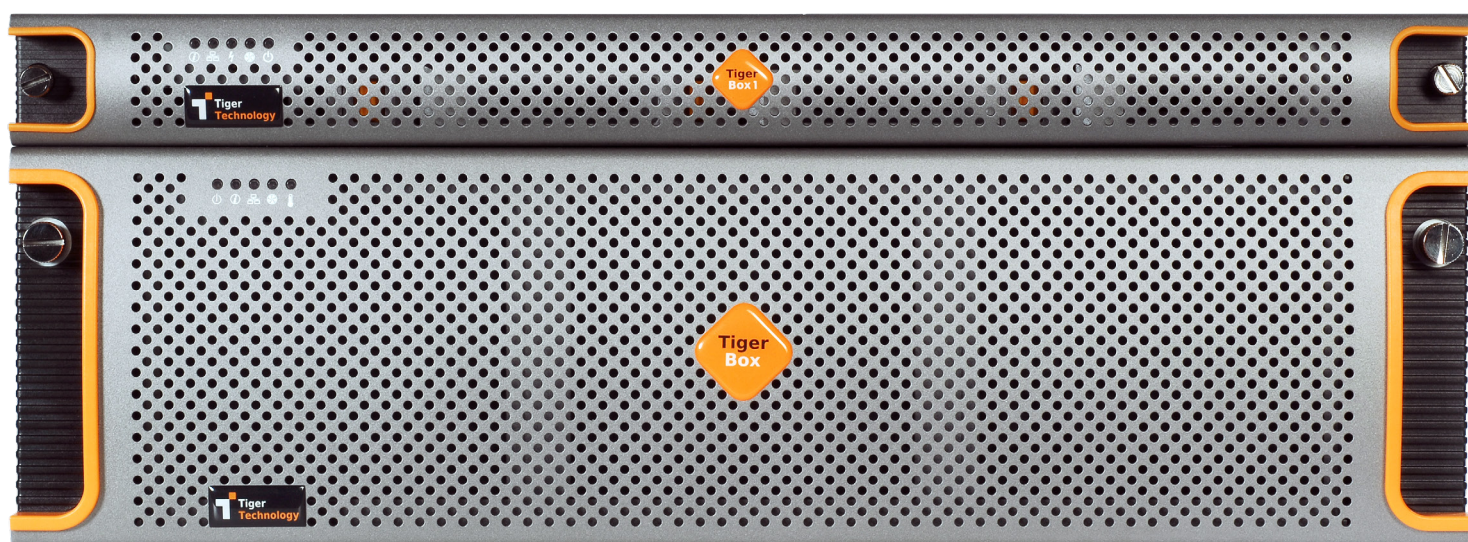
The appliances are rack-mountable and include the Tiger Store software, a metadata controller for highly optimized storage, which can be accessed by client computers via **ethernet** or **fibre channel** (with optional Store|SAN), directly or through a switch.

The Tiger Expansion Chassis are a natural addition to your Tiger Box, allowing you to easily expand its storage capacity. With the Tiger Pool option you can merge the main chassis volume and the volume(s) of all connected expansion chassis into a single virtual volume - a storage pool - that users can access via a single mount point. With the Tiger Bridge software module, the Tiger Expansions can also be used as 2nd-tier storage.

The optional Avid FS feature available with Tiger Store or Tiger Spaces allows you to have the advantage of a Bin Locking workflow in an Avid MC environment.

Each Tiger Box comes with the pre-configured Tiger Store file system sharing software. Configure Tiger Box based on your studio needs by adding any of our other software modules for media workflows. Benefit from renowned 24/7/365 technical support.





Tiger Box | 1U8:

- 1U, 19" rack-mount chassis with excellent anti-vibration and thermal protection
- Tiger Box | 1U8 has 8x 2.5" drive bays for 2.5" SSDs or 2.5" HDDs
- Hot-swappable drives
- 3x PCIe extension slots for client connectivity; up to 8x connectivity ports: 8/16 Gb Fibre Channel and/or 1/10/25/40 GbE for client computers and 16Gb SAS ports for tape libraries
- Additional 1GbE ports for admin access and for FC computers network communication
- 2x MiniSAS connections for daisy-chaining up to 4x Tiger Expansion Chassis
- High-performance RAID Controller providing up to 4GB/s RAID speeds; shipped in RAID-5; optional RAID Levels: 0, 1, 5, 6, 10, 50 and 60 with up to 32x disks per RAID group
- Redundant power supply (a failed power module can be replaced while the system is operating)
- Tiger Store software for shared storage management and diagnostics

Tiger Box | 3U16 & Tiger Box | 4U24:

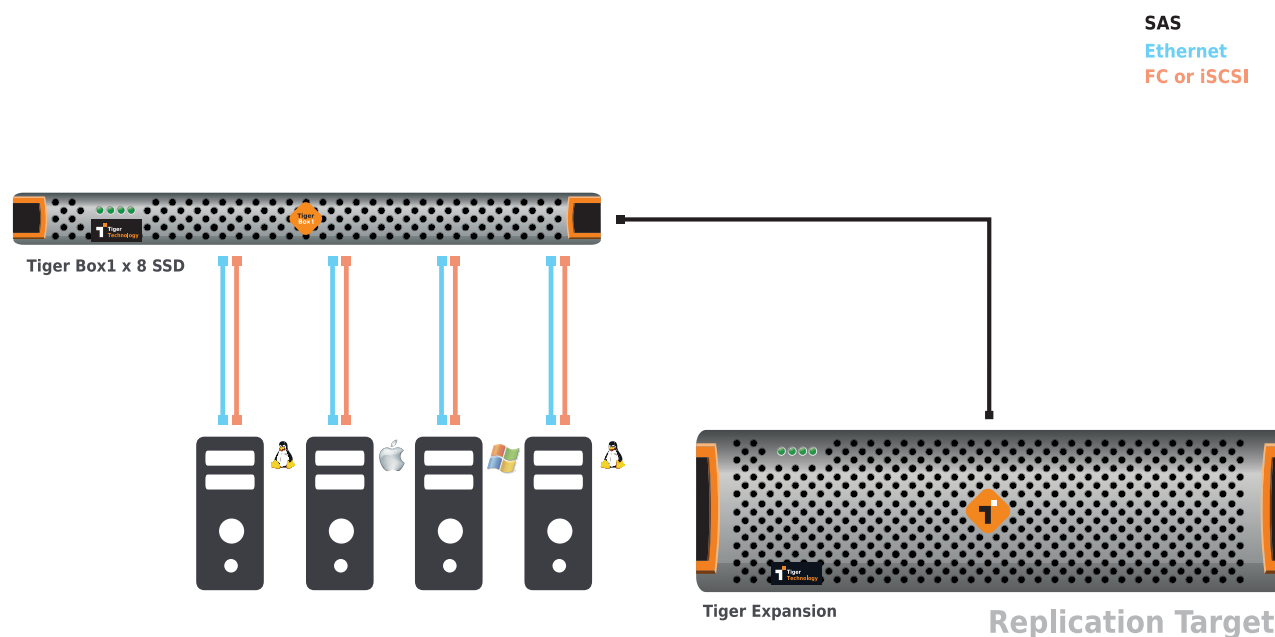
- 3U and 4U, 19" rack-mount chassis with excellent anti-vibration and thermal protection
- Tiger Box | 3U16 has 16x 3.5"/2.5" drive bays for 3.5"/2.5" HDDs or 2.5" SSDs
- Tiger Box | 4U24 has 24x 3.5"/2.5" drive bays for 3.5"/2.5" HDDs or 2.5" SSDs
- 7x PCIe extension slots for client connectivity; up to 20x connectivity ports: 8/16 Gb Fibre Channel and/or 1/10/25/40 GbE for client computers and 16Gb SAS ports for tape libraries
- Additional 1GbE ports for admin access and for FC computers network communication
- 2x MiniSAS connections for daisy-chaining up to 4x Tiger Expansion Chassis
- High-performance RAID Controller providing up to 4GB/s RAID speeds; shipped in RAID-5; optional RAID Levels: 0, 1, 5, 6, 10, 50 and 60 with up to 32x disks per RAID group
- Redundant power supply (a failed power module can be replaced while the system is operating)
- Tiger Store software for shared storage management and diagnostics

Tiger Expansion | 3U16 & Tiger Expansion | 4U24

- 3U and 4U, 19" rack-mount chassis with excellent anti-vibration and thermal protection
- 4x MiniSAS ports for connecting the Tiger expansion chassis to a Tiger Box
- Redundant power supply (a failed power module can be replaced while the system is operating) and hot-swappable redundant PWM cooling fan(s)



How it Works



- Client machines connect directly to Tiger Box | 1U8 SSD fast 1st-tier storage.
- Tiger Expansion chassis used for 2nd-tier storage.

“ WE HAD TO CHOOSE A PRODUCT THAT WAS GOING TO BE EXTREMELY SCALABLE AND COST-EFFECTIVE, WHICH IS WHY WE CHOSE TIGER. THE LEVEL OF SUPPORT TIGER OFFER IS ONE OF THE BEST IN THE INDUSTRY. ”

- Daniel Sassen, CTO, ENVY Post Production



I/O Options

I/O Options ⁽¹⁾	Performance: Mac/Linux clients ⁽²⁾	Performance: PC client ⁽²⁾
4x 1GbE	880 Mbps (110 MB/sec)	880 Mbps (110 MB/sec)
1x 10GbE optical SFP+	6,400 Mbps (800 MB/sec)	8,000 Mbps (1,000 MB/sec)
2x 10GbE copper	6,400 Mbps (800 MB/sec)	8,000 Mbps (1,000 MB/sec)
4x 10GbE optical SFP+	6,400 Mbps (800 MB/sec)	8,000 Mbps (1,000 MB/sec)
2x 40GbE optical QSFP	12,000 Mbps (1500MB/sec)	14,400 Mbps (1800MB/sec)
4x SAS	36,000 Mbps (4500MB/sec)	36,000 Mbps (4500MB/sec)
1x 8GbFC	6,000 Mbps (750 MB/sec)	5,200 Mbps (650 MB/sec)
4x 8GbFC	6,000 Mbps (750 MB/sec)	5,200 Mbps (650 MB/sec)
1x 16GbFC	12,000 Mbps (1,500 MB/sec)	10,400 Mbps (1,300 MB/sec)
4x 16GbFC	12,000 Mbps (1,500 MB/sec)	10,400 Mbps (1,300 MB/sec)

(1) All Fibre Channel and 10GbE optical connections include SFP+ of 10BASE LC-type. The 40GbE connection does not.

(2) Performance per port. These numbers represent read performance measured in our lab using practical test cases and Tiger Client driver. Actual performance may vary in the field based on your applications, motherboard, drivers, HBA, switch, protocol, etc. Note that these numbers are also bound to the total performance capabilities of your storage unit.

Performance Examples

Material							
Codec	Bitrate		Storage				
	Mbps	MB/sec	Hours/TB	Box 3U16	Box 4U24	Exp 3U16 ⁽²⁾	Exp 4U24 ⁽²⁾
				3.2-3.4 GB/sec	3.8-4 GB/sec	3.2-3.4 GB/sec	3.8-4 GB/sec
DVCPR050	50	6.24	46 hrs	100	115	100	115
ProRes LT HD	110	13.48	21 hrs	80	85	80	85
ProRes HQ HD, Avid DNxHD	220	27.54	10 hrs	55	65	55	65
Uncompressed SD	345	43.13	6 hrs 40 min	40	45	40	45
RED 5K 8:1	634	79.1	3 hrs 40 min	25	30	25	30
3.2K ProRes3200 x 1800 4444XQ	833	104.17	2 hrs 50 min	20	25	20	25
HD 10-bit 4:2:2 Uncompressed	1,178	147.3	1 hr 50 min	12	18	12	18
4K ProRes 422HQ 4096 x 3112	1,280	160	1 hr 45 min	11	16	11	16
8K F65RAW-SQ	2,520	315	55 min	5	7	5	7
2K 10 bit Uncompressed	2,944	368	47 min	4	6	4	6

(1) Stream count measured in our lab using a typical video editing application. Please use as ballpark figure. Tiger Technology cannot guarantee you will get the exact same numbers in the field as results will vary based on your particular application, traffic pattern and network topology.

(2) The first expansion chassis added will double the stream count. For example, with ProRes LT HD the total stream count for Tiger Box | 3U16 + Expansion Chassis | 3U16 will equal 160.



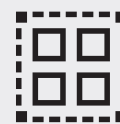
Product Highlights



**Shared Storage
Management with
Tiger Store**



**Cross-platform
Sharing – Mac,
Windows, Linux**



**All-in-one, Fully Pre-
configured Solution**



**Avoid bin-locking
(paid add-on)**



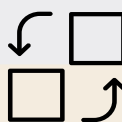
**Project Management
with Tiger Spaces
(paid add-on)**



**Data Protection &
Management with
Tiger Bridge
(paid add-on)**



Simplified Set-up



**Hot Swappable
Parts**



**Renowned
24/7/365 technical
support**

Tiger Technology develops storage & data management software designed to help organizations optimize their on-premises storage and enhance their workflows through cloud services.

Tiger Technology brings over 15 years of expertise in storage solutions for high-performance workflows - from cross-platform NAS/SAN shared file systems to storage, user, project, and media management. The company's current focus is enabling "on-premises-first" hybrid cloud workflows.



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