

TP2

RUGGED STORAGE

Fully Enclosed, Lightweight,
High Capacity Data Storage Module



zmicro.com/tranzpak-2

Demanding Locations Demand Rugged Storage

The TranzPak 2 (TP2) rugged storage module is an ultra-compact and lightweight data solution for military and industrial applications. Designed and MIL-tested for computing performance in harsh environments, the TP2 delivers advanced protection for any 2.5" spinning or solid state drive (SSD). Whether collecting data in the field or reproducing those results in the lab, the TP2 offers superior protection for your digital intelligence.

Advanced Engineering. Advanced Protection.

The TP2 is meticulously engineered for deployed conditions. Gaskets and thermal padding protect enclosed drives from temperature and humidity. An aluminum body with anti-corrosive sealing shields each drive from abuse while maintaining its lightweight advantages.

Additionally, the TP2 features a robust cam-action insertion/extraction lever for secured operation, high-duty cycle life connectors (25,000+ insertions), interlocking ribs for organization and storage, a recessed rear connector port to protect cable connections, and a recessed label pad for data identification using standard labels.

Rugged Storage with Universal Compatibility

TP2 storage modules are cross-compatible along ZMicro's complete line of rugged computing solutions including: ZX Rugged Servers, ZXC Lightweight Servers, MPU-COMx Platforms, and Docking systems. "Hot-swappable" TP2 modules offer flexibility and efficiency in deployed environments or reproducing deployed environments in the lab.



EASY TO REMOVE & REPLACE

The lightweight design features a robust cam-action lever allows for you to quickly remove and replace a storage drive, then securely lock it in place.

HIGHLIGHTS

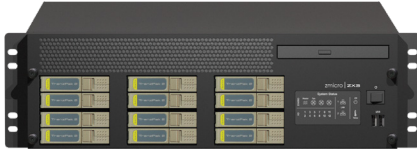
- Up to 8TB SSD & HDD Capacity
- SATA3 compatible speeds up to 6.0Gbps
- Houses any low profile 2.5" HDD or SSD
- Ultra-compact, lightweight rugged construction
- Protects drives from ESD and debris
- ZMicro cross-compatible design
- Durable cam-action locking lever
- "Hot-swappable"
- Thermal padded for increased protection
- EMI/RFI protection
- Moisture and humidity protected design
- Interlocking ribs for secure stacking

FOR MORE INFO

Contact us at sales@zmicro.com
or call 858.831.7000



COMPATIBLE PRODUCTS



ZX RUGGED SERVERS
1U, 2U & 3U options with up to 96TB of storage capacity.

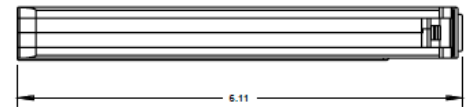
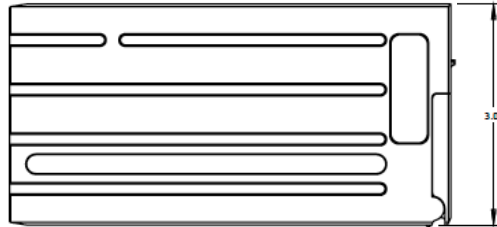
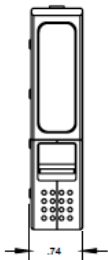


ZXC LIGHTWEIGHT SERVERS
1U & 2U options with up to 48TB of storage capacity.



2Xe DOCKING BAY
Dual bay docking station that can be connected to any computer via USB for data transfer.

MECHANICAL OUTLINE



TECHNICAL SPECIFICATIONS

SIZE & WEIGHT	Dimensions	3.07" H x .74" W x 6.11" D
	Weight	7-10 oz.
SPECIFICS	HDD Capacity	Up to 8TB SATA
	SSD Capacity	Up to 8TB SSD
	SATA Capacity	Up to SATA3, 6.0Gbps
ENVIRONMENTAL*	Operating Temp High	50°C, MIL-STD-810G, Method 501.5, Procedure I
	Operating Temp Low	0°C, MIL-STD-810G, Method 502.5, Procedure I
	Extended Operating Temp.	-15°C to 55°C (Only applies only to SSDs with forced air cooling.)
	Non-Operating Temp High	70°C, MIL-STD-810G, Method 501.5, Procedure II
	Non-Operating Temp Low	-40°C, MIL-STD-810G, Method 502.5, Procedure II
	Operating Altitude	Up to 20,000 ft., MIL-STD-810G, Method 500.5, Procedure II
	Non-Operating Altitude	Up to 50,000 ft., MIL-STD-810G, Method 500.5, Procedure II
	Humidity	MIL-STD-810G, Section 507.5, 30°C to 60°C @ 95% RH for 240 hrs (w/conformal coating) MIL-STD-810G, Section 507.5, Up to 95% non-condensing at 40° C for 48 hrs (w/o conformal coating)
	Shock	MIL-STD-810G, 40 g's, Saw-tooth, 11ms
	Vibration	MIL-STD-167, 5Hz to 50Hz, DO-160, Section 8, Curve B (with SSDs) MIL-STD 810F, Method 514.5, Procedure I, Category 4, Curve 514.5C1
	EMI/EMC	MIL-STD-461F, RE101 Army Limits, RE102 (Aircraft > 25m), RS101, RS103 (up to 60v/m), CE102, CS101, CS114, CS115, CS116
OTHER	Quality	AS9100:2016 and ISO 9001:2015 certified
	MTBF	Min. 47,000 hrs.
	Expected Operating Life	10 years
	Maintainability	< 5 minutes
	Safety	CE Compliant (AC Servers)
	ECCN	4A994

* TranzPak 2 environmental testing performed in ZMicro servers.

ZMicro, Inc. is an AS9100:2016 & ISO 9001:2015 certified company. Product information and technical data provided are typical of standard configurations of the described products. Measured results may vary slightly between units. This information is subject to change without notice. For more information, or the latest version of this product sheet, please visit our website @ www.zmicro.com.