ONErack

Rack it. Power it. Cool it.
Do it, with ONErack.

Universal mounting, powering and cooling system for small devices

Patent Pending

tvONE

ONE**rack**™

Universal rack mounting system

Features

- ◆ Universal mounting for any brand
- ◆ Variable DC voltages from single power supply
- ◆ Reversible active fan cooling system for high density applications
- ◆ Available in 3 sizes; 4RU, 5RU, 6RU
- ◆ Power up to 32 devices in 4RU, 64 devices in 5 or 6RU
- ◆ Each slot can provide 2 different voltages at the same time
- ◆ Each slot has 7 different voltage settings
- ◆ Pass thru allows for custom powering options
- ◆ Fast easy installation of small devices
- ◆ Simple, time saving serviceability

Overview

ONE**rack** is a universal, powered mounting system that vastly improves rack installation of small devices. tvONE's patent pending design converts randomly sized, externally-powered devices from any manufacturer into slide-in modules that can be installed quickly and cleanly and serviced easily. Chassis are available in 4RU, 5RU and 6RU and can hold up to 16 modules with up to 2 power circuits each. When using the ONE**rack** Power Supply, each power circuit, can provide selectable power @ 5v, 7.5v, 9v, 12v, 13.5v, 18v, & 24v up to 35 watts. A pass thru is also available for custom power sources. Each ONE**rack** Chassis can include 1 or more Power Supplies for added power which can also feed additional chassis,providing a clean power solution for all mounted devices. For service, just slide out a failed device, no cable ties, no guessing. Close the front of your ONE**rack** with a Fan cover and keep it all cool. Up to 32 devices in just 4RU, powered and cooled!

Cable management accessory
1RK-CBL-MGMT

◄ Mount this adjustable cable management accessory to the rear of any ONE**rack** chassis to provide a clean installation for all the cables in your ONE**rack**.

Front locking keeps your devices tight and secure ►

▲ **Blank Cover Kit**

▲ **Fan Cover Kit**
Airflow: 225 CFM max, reversible and speed adjustable - 100% down to 50%

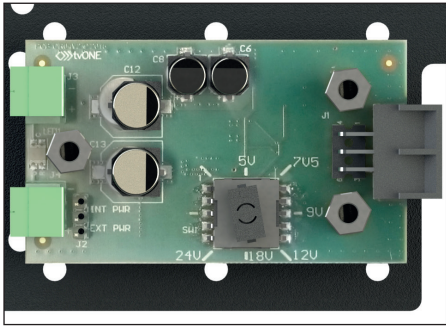▲ **Plexi Cover Kit**

Blank Cover Kit	
1RK-4RU-CVR-BLK	A Blank cover for your
1RK-5RU-CVR-BLK	ONE**rack** Chassis
1RK-6RU-CVR-BLK	

Fan Cover Kit	
1RK-4RU-FAN	The ONE**rack** Fan cover
1RK-5RU-FAN	contains 1 fan cover & PSU
1RK-6RU-FAN	cables

Plexi Cover	
1RK-4RU-CVR-PLEXI	A windowed covered
1RK-5RU-CVR-PLEXI	option allows for visual
1RK-6RU-CVR-PLEXI	checks without removing the cover.

◄ Power circuit with voltage selector for a choice of 7 different voltages. Includes a pass thru option for custom power voltages supplied by 3rd party manufacturers
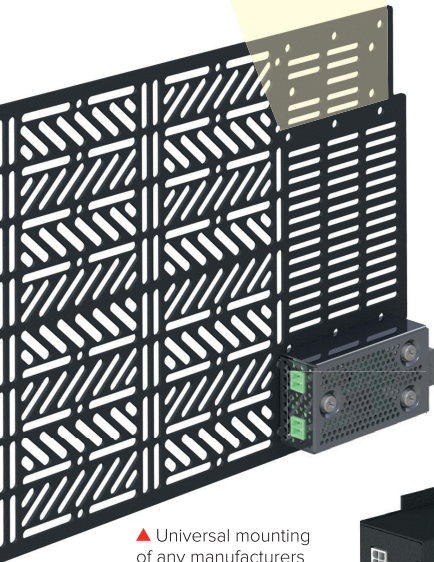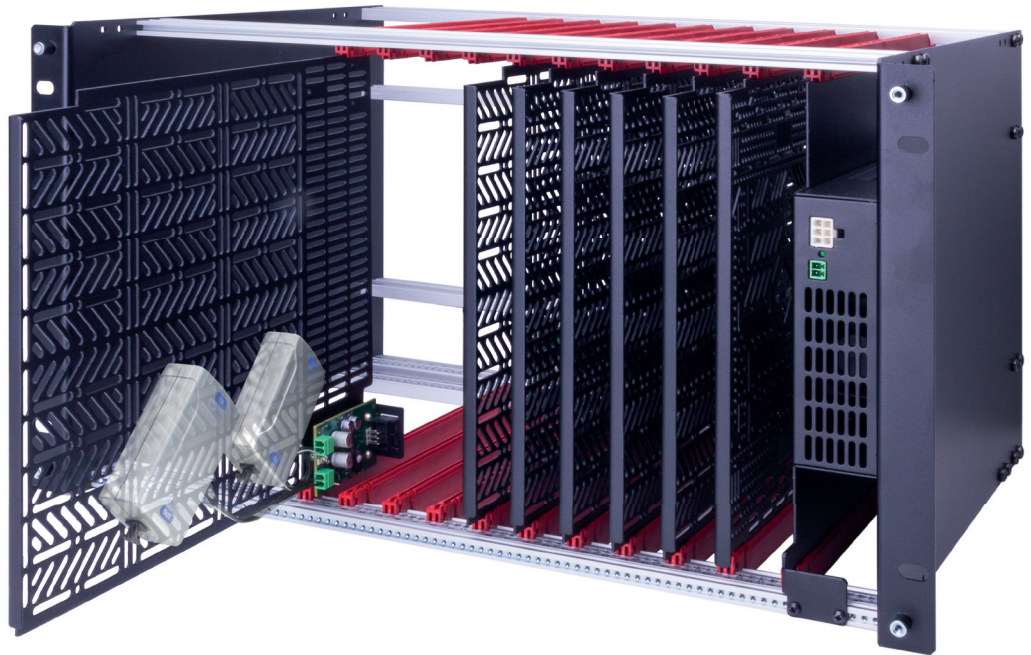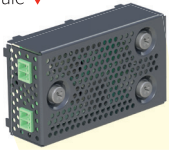
▼ Chasis comes in 3 different sizes 4RU, 5RU & 6RU

Provide additional connection points on module ▼

▲ Universal mounting of any manufacturers device
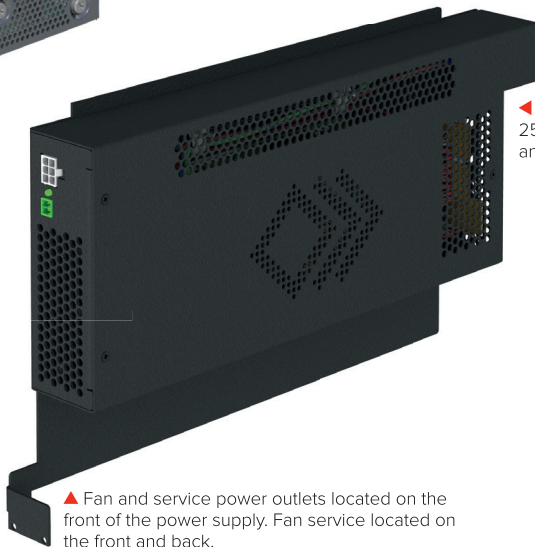
◄ **Power Supply Kit**
250w max. Position anywhere within chassis

▲ Fan and service power outlets located on the front of the power supply. Fan service located on the front and back.

▲ Daisy chaining power eliminate external power supplies and cleans up your racks. Each slot can be set at a different voltage

◄ Eliminate that single point of failure with the all new ONErack Dual Redundant and Hot Swappable Power supply. Slides into any sized chassis and provides a front of rack load meter as well as fault indicators for both of the load sharing power supplies. In addition to a Front of rack service port this new Power supply also provides resettable fuses, DC power conditioning and surge protection for all of your small, sensitive gear!
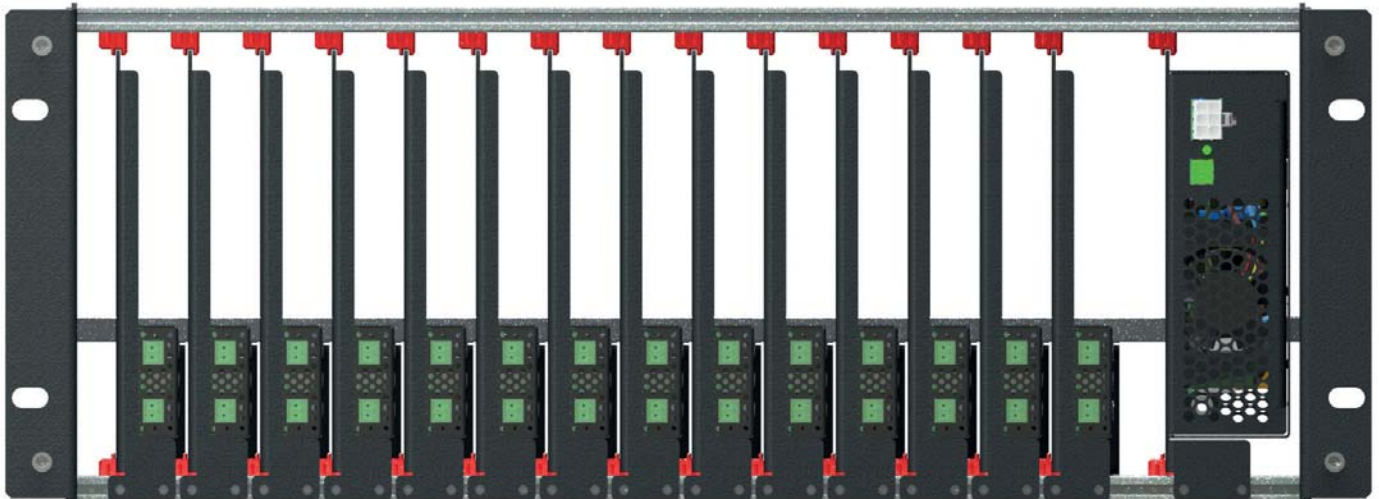
Chassis	
Size L+W+D	4RU 14" x 7" x 19" (355mm x 177mm x 483mm) 5RU 14" x 8.7" x 19" (355mm x 221mm x 483mm) 6RU 14" x 10.43" x 19" (355mm x 265mm x 483mm)
Weight (empty)	4RU 6.3lbs (2.88kg), 5RU 7.5lbs (3.38kg), 6RU 8.6lbs (3.88kg)
Module kit weight	4RU 0.98lbs (0.44kg), 5RU 1.15lbs (0.52kg), 6RU 1.33lbs (0.6kg)
Area per slot**	4RU 58.9"^{2} (380cm^2), 5RU 79.05"^{2} (510cm^2), 6RU 99.2"^{2} (640cm^2)
Power per dock	max 35w
Power per slot	max 70w (requires optional 2nd power dock)
DC Voltages per slot	5v, 7.5v, 9v, 12v, 13.5v, 18v, 24v & Pass Thru
Pass Thru max	28v DC
Certifications	RoHS, CE, UL, FCC Class A
Max modules	16 (with internal PSU; 14)
Fan Cover, reversible	
Airflow	225 CFM max
Consumption	6W max
Speed Adjustment	100% down to 50%
Power	12v DC
Certifications	RoHS, CE, UL, FCC Class A

PSU	
Size L+W+D	4RU 12.6" x 5.67" x 1.74" (318mm x 144mm x 44mm) 5RU 12.6" x 7.41" x 1.74" (318mm x 188mm x 44mm) 6RU 12.6" x 9.14" x 1.74" (318mm x 232mm x 44mm)
Weight	4RU 3.3lbs (1.48kg), 5RU 3.9lbs (1.76kg), 6RU 4.5lbs (2.04kg)
Main Output voltage	28v DC
Main output power	250w
Fan output voltage	12v DC
Fan output power	11w
BTU	1195 BTU
Certifications	RoHS, CE, UL, FCC Class A
AC input Voltage	90-264v AC
Thermal	0º - 40º C
Outlets Available	2x 28v DC daisy chainable (rear) 2x fan 12v DC (1x front, 1x rear) 1x 28v DC service output (front)

** Additional Power circuit requires 26cm^2

Specifications subject to change without notice

Patent Pending

4RU Front

4RU Rear