

# RPS RUGGED!+™ PoE SWITCH

RPS RUGGED!+™ PoE SWITCH - UNIVERSAL MOUNT



## PRODUCT OVERVIEW

RPS Rugged!+™ PoE Switch is designed and built to handle harsh mission critical environments in noisy electrical conditions. This MIL STD tested, IP67 rated PoE switch is capable of 90 watts per port across four gigabit ports. Two Multimode Fiber ports provide remote, high speed access. One device to interconnect and power communications equipment, cameras and sensors. The Military Grade Switch is designed for tactical communications and is built to MIL-STD-810G.

### KEY DEPLOYMENT ADVANTAGES

- 01** RUGGED!+™ IP66/67 RUGGEDIZATION
- 02** AVAILABLE IN MILITARY & COMMERCIAL GRADE
- 03** DESIGNED FOR REMOTE TELECOMMUNICATIONS, SECURITY, OR SENSORS IN REMOTE AREAS
- 04** POWER OVER ETHERNET (PoE) UP TO 90 WATTS
- 05** LIGHTWEIGHT ALUMINUM PACKAGING: 18LBS
- 06** AUTOMATICALLY ADJUSTABLE VOLTAGE TO A REGULATED 58VDC OUTPUT

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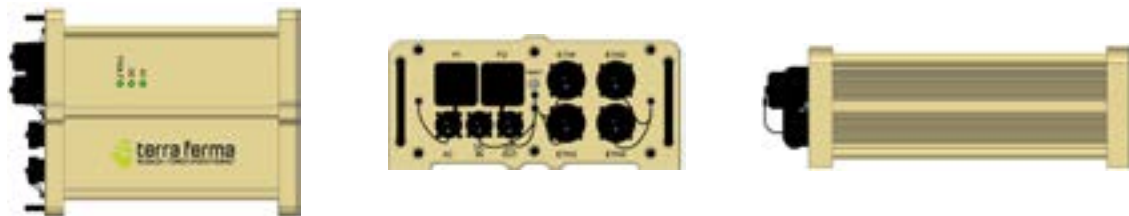
## PROTECTION YOU CAN TRUST

Terra Ferma has deployed tactical & telecommunications radios and hardware around the world. We've achieved unparalleled degrees of scalability for both commercial and Government markets. Based on this experience, we developed the RPS Rugged!+™ (PoE) Power Over Ethernet Switch. This platform enables customers to offer wireless communications, cameras, and sensors in remote and hostile areas. Each (PoE) Switch is equipped to provide clean power, add optional Rugged!+™ Battery Backup for power without interruption.

**THE HIGHLY RELIABLE, LIGHT WEIGHT, SMALL FORM FACTOR IS DESIGNED TO TAKE SHOCK, VIBE, HIGH TEMPS, HIGH HUMIDITY AND IS PASSIVELY COOLED. THE TERRA FERMA RPI RUGGED!+™ POE POWER SUPPLY IS DESIGNED, TESTED, & CERTIFIED TO MIL-STD 810-H, 461G AND FIPS 140-2 VALIDATION.**

### QUIET, UNIVERSAL CONSTRUCTION

Rugged, all aluminum IP67 test chassis provides quiet operation while keeping the elements out. Universal mounting positions allow tower, pole, vehicle or no mounting at all to keep all your devices powered securely with an optional Modular Battery Back up with 4 hours to 3 day capacity.



## RUGGED!+™ TECHNOLOGY

Terra Ferma's trademarked Rugged!+™ construction and finishing maintain product integrity in extremely harsh environments. We expect optimal performance to be achieved in the toughest manufacturing and tactical climates in the world.

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## TECHNICAL SPECIFICATIONS

PRODUCT OPTIONS	Power any PoE device or multiple devices from one Switch Optional Modular Battery Back up with 30 minute to 3-day capacity. Power over Ethernet (PoE) up to 90 watts per port IEEE 802.3 AF/AT/BT
COLOR OPTIONS	Military: Olive Drab Green or Desert Tan,
COMMUNICATIONS	10/100/1000 Ethernet
MATERIAL FINISH	WD-CARC (FED STD 595C, 34094) over chemical conversion coating
POWER	Global AC Input: Input 90 - 264 VAC, 47 - 63Hz Military Grade DC: 8.5 to 30VDC @ 40A Optional Battery Backup: 48VDC @ 1.5amp-Hour to 55amp-Hour Optional Solar Power Input: 12 to 24VDC Solar Panel (Requires Battery Backup)
POWER CONTROL	Automatically adjustable voltage to a regulated 56VDC output Automatically adjustable load current 0.25A - 2A Automatic input and/or output power reset
CONNECTIVITY	Military Grade: Amphenol RJFTV & D38999 Receptacles
INDICATORS	AO Power: Green LED, DC Power: Green LED, Fault: Green - Normal Operation, Amber - Minor Fault, Red - Critical Fault
MOUNTING	Universal mounting positions allow tower, pole, vehicle or no mounting at all
PHYSICAL DIMENSIONS	15-3/8" x 10-7/8" x 4-1/2"   With Optional Battery Backup: 18" x 10-7/8" x 4-1/2"
WEIGHT	Aluminum packaging -18 lbs
TEMPERATURE	Operational -40C to 60C (-40F to 140F) Storage: -40C to 75C (-40F to 167F)

## TERRA FERMA, ODM & OEM PoE SOLUTIONS

Terra Ferma is an industry leading Original Design Manufacturer (ODM) that provides Original Equipment Manufacturer (OEM) of Power over Ethernet products for Military, Government, and Industrial applications. We specialize in rapidly prototyping ODM & OEM solutions advanced engineering and manufacturing solutions for rapid new product development.

## CONTACT US

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