

RhinoSwitch® RSU-600F and RSUP-600F Ethernet Switches

The RhinoSwitch® RSU-600/F and RSUP-600/F Ethernet Switches are industrially produced and offer Fast Ethernet RJ45 and fiber ports. These switches are tough and very compact in design. The RSU models have one of the smallest footprints in addition to being a ruggedized product. The RSUP Switches are specifically built for the most demanding environments, such as power utility substations, outdoor traffic control boxes and video surveillance structures.



- Eliminate the need for the electrical wiring, and
- Provide ruggedized switching in uncontrolled environments.
- Available with four PoE+ ports(RSUP-600)
- Inclusive of extended operating temperatures that range from -40° to +85° C
- Ruggedized having compact design
- Supportive of all DC and AC power ranges including 12, 24, 28, 48, and 55 VDC as well as 115/230VAC via external AC power adapter

Product Specifications:-

Type	RSU-600F/RSUP-600F
General	<ul style="list-style-type: none"> ■ Operation: Store and forward wire speed switching, non-blocking ■ Modes: Full or half duplex operation with flow control supported on all ports ■ Switching bandwidth: 1.2 Gbps ■ Latency (100M typical): 5 μs plus frame time ■ Packet Buffer: 384 Kb ■ Ethernet isolation: 1500 Vrms 1 minute ■ 2K MAC addresses
RJ45 Copper Ports	<ul style="list-style-type: none"> ■ RJ45 ports: Four (RSU-600F) ,RSUP-600F: Four RJ45 PoE+ ports (802.3at) ■ RJ45 speed and duplex: 10/100 auto-detecting for speed & duplex (full or half) ■ RJ45 MDI/MDIX: Auto-MDI/MDIX-Crossover automatically supports either straight or crossed cables
Fiber Port Connectors	<ul style="list-style-type: none"> ■ Two 100Mb fiber ports on RSU-600F and RSUP-600F models may be SFF slots for SFP's or fiber

	ST, SC or LC type fiber port connectors. 2km multi-mode and 10km single mode are available.
Power Input Options	<ul style="list-style-type: none"> ■ Power input: Dual redundant power inputs for single power supplies ■ External AC: Input: 85-265 VAC; 47-63Hz, auto-ranging ■ DC: Input voltage range (12, 24/28, 48V) DC: 9-60VDC ■ RSUP switches: Input voltage range--PoE+: 52-57VDC ■ Input voltage range-PoE: 46-57VDC ■ Power consumption: Typical with all ports linked and active 8 W .
Environmental	<ul style="list-style-type: none"> ■ Operating temperature for all models: -40°C to +85°C continuously (guaranteed cold (-40°C) and hot (+85°C) starts) ■ Storage temperature for all models: -45°C to +90°C ■ Humidity: 5 to 95% RH (non-condensing) ■ Altitude: 19,000 ft. (6,000m) ■ MTBF: > 219,000 hours ■ Optional Conformal Coating available on request
Standards and Compliance	<ul style="list-style-type: none"> ■ Safety: UL/CSA/EN/IEC 60950-1, 2nd Edition CB report ■ Emissions: EN/ETSI 300-386; FCC Part 15 ■ EN55032,24; AN/NZ CISPR22, VCCI, EN61000-6-4 Class A ■ CFR 47-FCC part 15, ICES 003, Class A ■ Hazardous Locations: UL/cUL Class 1 Div 2; ATEX Zone 2 ■ IEC 61850 EMC & Environmental Operating Conditions Class C for Power Utility substations (KEMA) ■ IEEE 1613 Class 2 Environmental Standard for Power Utility Substations ■ NEMA TS-2 & TEES for DC- and PoE-powered traffic control equipment ■ Military: MIL-STD-810G ■ Marine: DNV ■ Mining: Directive 2006/21/EC ■ Telecom: NEBS, GR63 & GR1089, L3; ETSI 300 386, EN 301 489 ■ Railways: EN50155 and EN50121-4 Compliant ■ Vibration: IEC 60068-2-6 ■ Shock: IEC 60068-2-27 ■ Freefall: IEC 60068-2-32 ■ RoHS (Pb free) and WEEE compliant ■ Immunity: <ul style="list-style-type: none"> EN61000-4-2 (ESD) Level 4; EN61000-4-3 (RFI) Level 4 EN61000-4-4 (EFT) Level 4; EN61000-4-5 (Surge) Level 4 EN61000-4-6 (C. Susceptibility) Level 3 EN61000-4-8 (PF Magnetic Field) Level 4 EN61000-4-10 (Damp Osc.) Level 4 EN61000-4-11 (VDI) Class 3 EN61000-4-12 (Osc. Wave Im.) Level 3 EN61000-4-16 (I.C. CMD) Level 3 EN61000-4-29 VDSI on DC Input EN61000-6-2; EN61000-6-5 DT&T-NL, Immunity PS&SS

<p>Mechanical</p>	<ul style="list-style-type: none"> ■ Case: Ready to be DIN rail or panel mounted ■ Material: Corrosion-resistant aluminum with powder coating ■ DIN rail mounting or direct to panel (via separate spring-loaded Din-Rail bracket or panel mounting ears for corner) (see rear DIN-Rail bracket on left) ■ Dimensions: <ul style="list-style-type: none"> Height: 3.6 in (9.1 cm); Depth: 3.2 in (8.1 cm); Depth w/din-rail brkt: 3.6 in (9.1 cm); Width: 1.75 in (4.4 cm) Weight: 1 lb. (0.45 kg)
<p>IP Rating</p>	<p>IP32</p>
<p>Warranty</p>	<p>5 years</p>
<p>Made in</p>	<p>USA</p>