

RhinoSwitch® RSU-600 and RSUP-600 Ethernet Switches

The RhinoSwitch® RSU-600 and RSUP-600 Ethernet Switches are industrially produced and offer Fast Ethernet RJ45 copper and PoE+ 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-600/RSUP-600
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-600) RJ45 ports that are fully IEEE 802.3 compliant (Optional: Models RSUP-600 : 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

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 6 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
Mechanical	<ul style="list-style-type: none"> ■ Case: Ready to be DIN rail or panel mounted

	<ul style="list-style-type: none"> ■ 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)
IP Rating	IP32
Warranty	5 years
Made in	USA