



PacStar 341 Small Router Module



PacStar 341 Small Router Module provides high-performance routing, switching, security and advanced network services for critical voice, data and video connectivity in a compact and rugged form factor. PacStar 341 is based on Cisco® technology and provides up to 4 ports of PoE LAN access.

Designed to provide enterprise-class functionality and security, in a form factor suitable for demanding deployed, mobile, commercial and industrial applications in fixed, transportable or mobile use cases, PacStar 341:

- Is extensively environmentally tested for reliable use in sheltered environments subject to extreme temperatures, vibration, and more
- Is engineered into a compact, rugged enclosure, optimal for transport or installations where space is at a premium
- Includes embedded advanced power conditioning, maximizing uptime even in poor quality power situations
- Leverages industry-leading networking technology from Cisco, enabling organizations to leverage their expert enterprise IT experience and systems in operational IT use cases

PacStar 341 can be used standalone or in combination with other PacStar (and 3rd party) networking products to create complete network systems. PacStar 341 can be mounted in a wide variety of enclosures, transit cases, or vehicle equipment racks. PacStar can create custom mounting/transport solutions to meet your requirements.

PacStar 341 is based on technology designed for demanding defense requirements and widely deployed throughout the US military. PacStar started with equipment that has been extensively MIL-STD tested and fielded by tactical communications teams, and removed features rarely needed in commercial use cases – delivering the same DoD quality at a more affordable price point.

PacStar 341 is optionally managed by PacStar IQ-Core® Software, which simplifies system setup, network management and protects the system from mis-configuration, improving network uptime and reducing deployment costs.

KEY FEATURES

- Based on Cisco ESR 5915 routing/switching module with (5) ports
- Integrated smart power supply that runs on wide range DC input and world-wide AC input
- PoE output
- Compact design for flexible packing and transport
- Extended temperature range, and fanless design improves reliability and uptime
- Can be managed by IQ-Core Software for easy setup and configuration
- Small, but powerful; only 1.6" x 4.9" x 7.2" and 2.2 lbs.

Networking Capabilities

- (5) ports: (2) routed and (3) switched
- Cisco IOS Service Advertisement Framework (SAF)
- MLD proxy
- Routing protocols - RIP, RIPv2, OSPF, EIGRP, BGP, CPD, IP Policy Routing, IP Multicast (PIM) v1 and v2, IGMP v1 and v2, IP Multicast Load Splitting, Cisco GMP.
- Up to 32 VLANs supported per router
- IPv6 - IPv6 routing, IPv6 QoS, IPv6 tunneling support, Cisco IOS Zone-Based Firewall for IPv6 traffic
- Encapsulations - PPP, PPPoE client and server for Fast Ethernet, 802.1q VLAN trunking support and GRE

- Additional protocol support - Telnet, Asynchronous tunneling, Real-time Transport Protocol (RTP) header compression
- Extensive support for radio-aware routing and mobile IP
- Suite-B support cryptography
- Group Encrypted Transport VPN, Dynamic Multipoint VPN (DMVPN), or Enhanced Easy VPN
- Integrated threat control - IOS Firewall, Zone-Based Firewall, IPS, Content Filtering and Flexible Packet Matching (FPM)
- Extensive Security protocols – IPSEC, SSHv2, SSL/TLS, SRTP, AES, IKE

- Traffic management – QoS, Generic traffic shaping, 802.1p CoS, WRED, CBWFQ, LLQ, Priority Queuing and RSVP
- Management services - SNMP v2 and v3, RADIUS, TACACS+, Syslog, TFTP, DHCP, HSRP and more
- Cisco Unified Communications Manager Express with support for up to 48 phones

Connectors

- (5) Ports total
 - (1) RJ45 (10/100 Base-T Ethernet, Routed)
 - (1) RJ45 (10/100 Base-T Ethernet, Routed, PacStar PoE),
 - (3) RJ45 (10/100 Base-T Ethernet, Switched, PacStar PoE)
- (1) RS-232 Console
- Wide range DC input

Physical Specifications

- Dimensions 4.9" x 7.1" x 1.6"
- Weight 2.2 lbs.
- Fanless design for quiet operation, higher reliability, and low power draw
- Operational temperature -20C to 70C
- Based on design tested to MIL-STD 810G by an independent lab
- Based on design tested to MIL-STD 461F by an independent lab

Power Specifications

- Wide range DC input, 10 - 35 V DC
- World-wide AC power input (with adapter cable)
- 12/48V combo-DC input
- PoE power:
 - Up to 12 watts available PoE power on AC or DC input
 - On external 48V DC power input up to 50 watts available
- Power draw:
 - Nominal 10 watts total without PoE
 - Max (including 15 watts of PoE devices attached) 42 watts total

PacStar communications systems including this product may be covered by one or more of the following US patents: #8,654,749, #7,817,589, #8,270,325, #9,160,619. Additional patent(s) pending. See www.pacstar.com/patents for details.

