



# PacStar 342 Small Switch Module



PacStar 342 provides high-density network access ports for critical voice, data and video connectivity in a compact, rugged form-factor. PacStar 342 uses advanced Cisco® switching technology and provides up to 10 ports of 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 342:

- 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 leverage their expert enterprise IT experience and systems in operational IT use cases

PacStar 342 can be used standalone or in combination with other PacStar (and 3rd party) networking products to create complete network systems. PacStar 342 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 342 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 342 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 ESS 2020 routing/switching module with 10 ports
- Integrated smart power supply with wide range DC input and worldwide AC input
- PoE output
- Compact design for flexible packing and transport
- Extended temperature range and fanless design improves reliability and uptime
- Managed by IQ-Core Software for easy setup and configuration
- Small, but powerful; only 4.9" x 7.0" x 1.6" and 2.3 lbs.

## Networking Capabilities

- (10) Ethernet ports total
- Layer 2 switching - IEEE 802.1, 802.3

- standard, VTPv2, NTP, UDLD, CDP, LLDP, Unicast MAC filter, Flex Link, REP, VTPv3, EtherChannel, Voice VLAN
- Security - SCP, SSHv2, SNMPv3, TACACS+, RADIUS Server/Client, MAC Address Notification, BPDU Guard, SPAN session, Port-Security, DHCP Snooping, Dynamic Arp Inspection, IP Source Guard, 802.1x, Guest VLAN, MAC Authentication Bypass, 802.1x Multi-Domain Authentication, Storm Control, Trust Boundary
- Multicast - IGMPv1, v2, v3 Snooping, IGMP filtering, IGMP Querier
- Management - Web Device Manager, MIB, SmartPort, SNMP, syslog
- Quality of Service - Ingress Policing, Rate-Limit, Egress Queuing/shaping, AutoQoS

- IPv6 Host support, HTTP over IPv6, SNMP over IPv6
- IPv4 Static Routing

## Connectors

- (10) Ports Total: (4) RJ45 (10/100 Base-T Ethernet)
- (4) RJ45 (10/100 Base-T Ethernet with PacStar PoE)
- (2) RJ45 (10/100/1000 Base-T Ethernet)
- (1) RS-232 console port
- Wide range DC input

PacStar 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](http://www.pacstar.com/patents) for details. Additional patent(s) pending. See [www.pacstar.com/patents](http://www.pacstar.com/patents) for details.