



## PacStar<sup>™</sup> 6800 Small End Office (SMEO)



The PacStar 6800 is a full-featured, IP-based, high-reliability, tandem switch, and PBX for military enterprise infrastructure. It features an advanced, Cisco-based UC (Unified Communications) platform in an integrated package that includes Cisco Unified Communications Manager (CUCM).

The system is JITC-certified and meets the SMEO requirements of the Defense Information Systems Agency (DISA) for voice and communications services. It can connect to the Public Switched Telephone Network (PSTN) and to the Defense Switched Network (DSN), and supports subtending switches.

The system enables a smooth migration from legacy TDM (Time Division Multiplexing) to EoIP (Everything over IP), and scales to support up to 30,000 VoIP and 7900 analog/ISDN BRI phones.

PacStar's system management software, IQ-Core<sup>™</sup> Software, simplifies system setup and management, protects the system from misconfiguration by preventing many operator errors, and reduces training and support requirements.

The system comes in a standard 19 in. rack-mount form factor, suitable for base infrastructure.

### Features

- JITC-certified SMEO, IP-based, voice/communications, UC device
- Supports subtending (tandem switch)
- Proven, redundant, high-availability components scaling to 30,000 VoIP and 7900 analog and ISDN BRI users
- T-1 PRI, T-1 CAS, E-1 PRI, E-1 CAS trunking for MLPP interoperability
- Integration with preset, video, and web conferencing
- Supports STUs, STEs, and secure analog, ISDN BRI, and VoIP phones
- PacStar IQ-Core Software v3.0 for wizard-based, simplified, and unified system management

### CUCM v4.3

- Hosted on high-performance, proven, redundant, Cisco MCS servers
- Runs on MS Windows 2003 Server and MS SQL Server
- Call processing and call control
- Video switching, wideband codec support, encrypted audio and signaling, device mobility
- Call processing server redundancy, with load balancing

- Auto attendant and attendant console
- Call analysis and reporting tools
- Real-time monitoring tools

### PacStar IQ-Core Software

- Integrated system management software providing a simplified, unified, user interface
- Wizards automate key management functions to simplify setup and operation, and to reduce errors
- Reduces training and support requirements
- Enables system management by non-technical users
- Dashboard view of status of devices and phone system, and system events
- Setup and management of users
- Setup and management of phones, call traces, and hotlines
- Views of the call route plan, recent call detail records, calling search spaces, and trunk traffic and performance
- Management of devices, including console access and password changes
- Monitoring of devices, with alerts
- Management of device configurations
- System event logging and reporting

- Efficient remote management protocol
- Designed from the ground up for net-centric computing
- Award-winning, PDF-based, user documentation
- Context-sensitive, PDF-based Help

### Hardware Platform

- Standard 19 in. rack-mount form factor
- Available in a variety of configurations, depending on customer requirements
- Redundant Cisco MCS servers (CUCM)
- Cisco MCS server (IQ-Core Software)
- Redundant Cisco ISR routers (FXS ports and voice/gateway functionality to T-1 interfaces)
- Redundant Cisco switches (intra-system connectivity and simplified setup)
- Large capacity TDM gateway

### Intellectual Property

- Pacific Star Communications, Inc. products are protected by US patent number 7,535,861
- Additional patents pending



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