

- » Voice
- » Fax
- » Point-to-Point High-Speed Data



The SL8000 gives you full mesh voice, fax, and point-to-point high-speed data connections in your Skylinx telecommunications network. The terminal is easy to reconfigure using four slots that accept plug-in channel units which include both a voice/fax and data port on the same card. Or you may use one slot for an RF/IF conversion module so you can expand your capacity with additional indoor units attached to a single RF outdoor transceiver and antenna.

Skylinx supports most common physical and signal interfaces. For system upgrades you can download software over the satellite, giving you updated features without costly site visits. The terminal operates at C-band, Extended C-band, and Ku-band frequencies.

RELIABLE AND EASY TO MAINTAIN

High reliability is built into the Series 8000 through design decisions such as minimizing backplane routing and allowing direct connections to channel units. Downloadable channel unit software enables you to upgrade, perform system changes or reconfigure your network with one person from a central location, without costly visits to remote locations.

SKYLINX® SL8000 AT-A-GLANCE

More than just a VSAT, the Series 8000 serves as your telecommunications backbone, with interfaces for video reception (L-band port on chassis), data, and telephony.

- » Up to 4 channels per chassis with additions or changes made with plug-in modules
- » Data, voice, fax
- » Software upgrades downloadable by satellite
- » C-band, Extended C-band or Ku-band, higher power transceivers or booster amplifiers available
- » Mesh, star or combination configurations
- » DAMA or PAMA circuits
- » Desktop or rack-mount
- » RF/IF conversion module lets you add chassis for more channels from the same outdoor RF setup

INDOOR UNIT SPECIFICATIONS

GENERAL

- » Voice Compression 8, 9.6, 16, 32, 40, or 64 kbps
- » Optional Fax/Data Relay
- » Channel Unit Modem Rates from 8 to 160 kbps, or 32 to 2048 kbps with HSCU
- » BPSK/QPSK Operation with 1/2 or 3/4 Viterbi Coding, or add 7/8 and Reed-Solomon with HSCU
- » 1.4 or optional 1.2 channel spacing
- » PSTN Interfaces Supported
 - 2-wire, 4-wire, E&M
 - MF, DTMF
 - R2, China #1, and others optional
- » Direct Connection of Equipment to Channel Unit
- » L-band Receive Port (with plug-in RF IDU)
- » Plug-in RF IDU Module for ORU Operation

RCCU Supplies dedicated remote monitoring and control for many earth station devices and contact closure units (fire, security, etc.)

Data Interface EIA-232/EIA-530 via DB25 connector, EIA-530/V.35 with HSCU (AT, optional V.25bis protocol)

Monitor and Control Interfaces

Chassis 2 SAbus connectors

RF IDU 2 relay alarm inputs, 2 relay command outputs

POWER REQUIREMENTS

AC Voltage 90 to 132V/180 to 264V, autoswitching

AC Frequency 47 to 63 Hz

ENVIRONMENTAL

Indoor Unit

Operating Temperature 0° to +50° C; +32° to +122° F

Relative Humidity 10% to 90% non-condensing

Outdoor Unit

Operating Temperature -40° to +55° C; -40° to +131° F

Relative Humidity Up to 100% with condensation

MECHANICAL

Indoor Unit (HLD) 5.25 x 17.0 x 20.5 in; 13.3 x 43.2 x 53.3 cm

4-Slot Chassis 1 to 4 channel units or 1 to 3 channel units with RF IDU

CHANNEL UNIT COMPONENTS

- » Full DSP-based, digital modem
- » Advanced voice compression codec
- » In-band and clear channel data capability
- » In-band fax and fax-relay capability, data relay optional
- » Built-in telephony/signaling interface
- » Software configuration downloadable via satellite
- » Built-in echo cancellation
- » Fast/slow busy/ringback/dial and custom tone generation



CONTACT

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