

# Introduction

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This manual describes the IGX 8 hardware that runs Release 8.1 of the System Software. Descriptions consist of hardware specifics and operational parameters at the system level. For a description of how to set up and start the IGX 8, refer to the *IGX 8 Installation Guide*.

Like other switches in the StrataCom product line, the IGX 8 operates in public or private Wide Area Networks (WANs). The IGX 8 is capable of supporting OC3, T3, E3, T1, fractional T1, E1, fractional E1, or subrate digital transmission facilities. The IGX 8 uses cell relay technology to provide maximum throughput with minimum delays. Cell relay performance characteristics are the heart of efficient digital networks and make the IGX 8 an ideal choice for a high-performance, multimedia platform.

Key features of the IGX 8 include:

- 1 Gigabit CELLBUS for high speed switching and a .2 Gbit redundant bus for backup
- Full compatibility with IPX/BPX system software
- IGX 8 configuration and management via StrataView Plus or the same standard user interface used with the IPX/BPX systems
- High performance switching suitable for a variety of protocols/applications, including Asynchronous Transfer Mode (ATM), frame relay, voice, FAX, slow-scan and full-bandwidth video, and synchronous/asynchronous data
- Two cabinet models, which consist of
  - An eight-slot standalone unit
  - An eight-slot rack-mount unit
- Redundancy of controller cards, service module cards, system buses, and power supplies to provide hardware reliability
- Hot-swappable modules to facilitate non-stop operation: service cards, NPMs, AC-power supplies, and fan tray assembly
- Bus redundancy for higher reliability
- 110/220 VAC and -48 DC power options for use in varied network environments
- Factory upgrade program for IPX 16/32 feature cards. This excludes IPX 8-specific cards. Upgrades are available for the NTC, AIT, CDP, LDP, SDP, FRP, and FTC cards.

