

# Introduction

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This manual applies to IGX 16/32 systems running Release 8.2 software.

Like other StrataCom switches, the IGX operates in public or private Wide Area Networks (WANs). Like StrataCom's IPX and BPX, the IGX uses cell relay technology to provide maximum throughput. The performance characteristics of cell relay allow users to build efficient digital networks and make the IGX an ideal choice for a high-performance, multimedia platform. Features of the IGX include:

- Capability of supporting OC3/STS-1, T3, E3, E2, HSSI, T1, fractional T1, E1, or subrate digital transmission facilities.
- 1 Gbps CELLBUS for high speed switching and a .2 Gbps redundant bus for backup.
- Full compatibility with IPX/BPX system software.
- IGX 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.
- Four cabinet models, which consist of:
  - A 16-slot, single-shelf standalone unit
  - A 32-slot, dual-shelf standalone unit
  - A 16-slot, single-shelf rack-mountable unit
  - A 32-slot, dual-shelf rack-mountable unit
- Redundancy of controller cards, service module cards, system buses, and power supplies to facilitate non-stop operation.
- Hot-swappable modules to facilitate non-stop operation: service cards, redundant NPM, AC-power supplies, and fan tray assemblies.
- Bus redundancy for higher reliability.
- AC and DC power options for use in varied network environments.
- Factory upgrade program for IPX feature cards. Upgrades are available for the NTC, AIT, CDP, LDP, SDP, FRP, and FTC cards.

