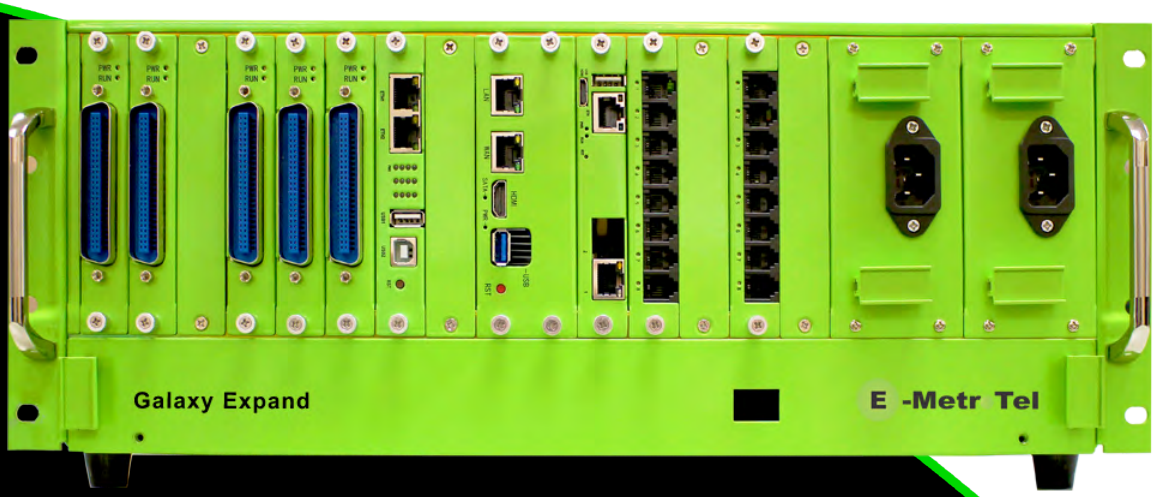
Galaxy Expand

High-Availability Modular Platform

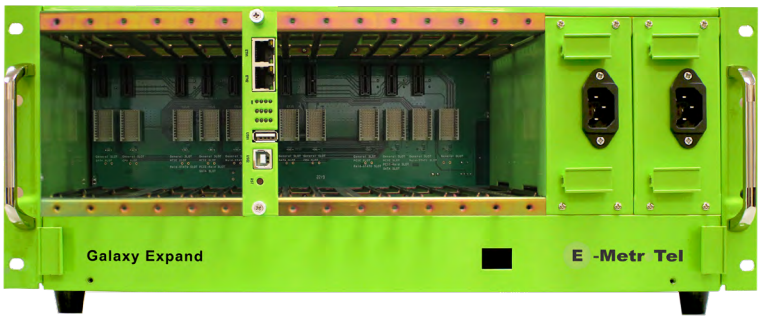


Designed to work as an onsite PBX or as a gateway to a centralized location or the Cloud and powered by E-MetroTel's UCX call processing software , the Galaxy Expand platform is built to accommodate a variety of on-site communication interfaces.

The Galaxy Expands 11-slot chassis is stackable and can support up to 3000 end points. Layer 2 switching on the backplane enables in-shelf communication between interface cards reducing networking port requirements by a factor of 11.

Modular Design

Galaxy Expand



2930 Server Card | i5 Server Card | DSM16 Card | FXS16 Card | FXS8 Card | PRI Card | FXO8 Card

Card options.

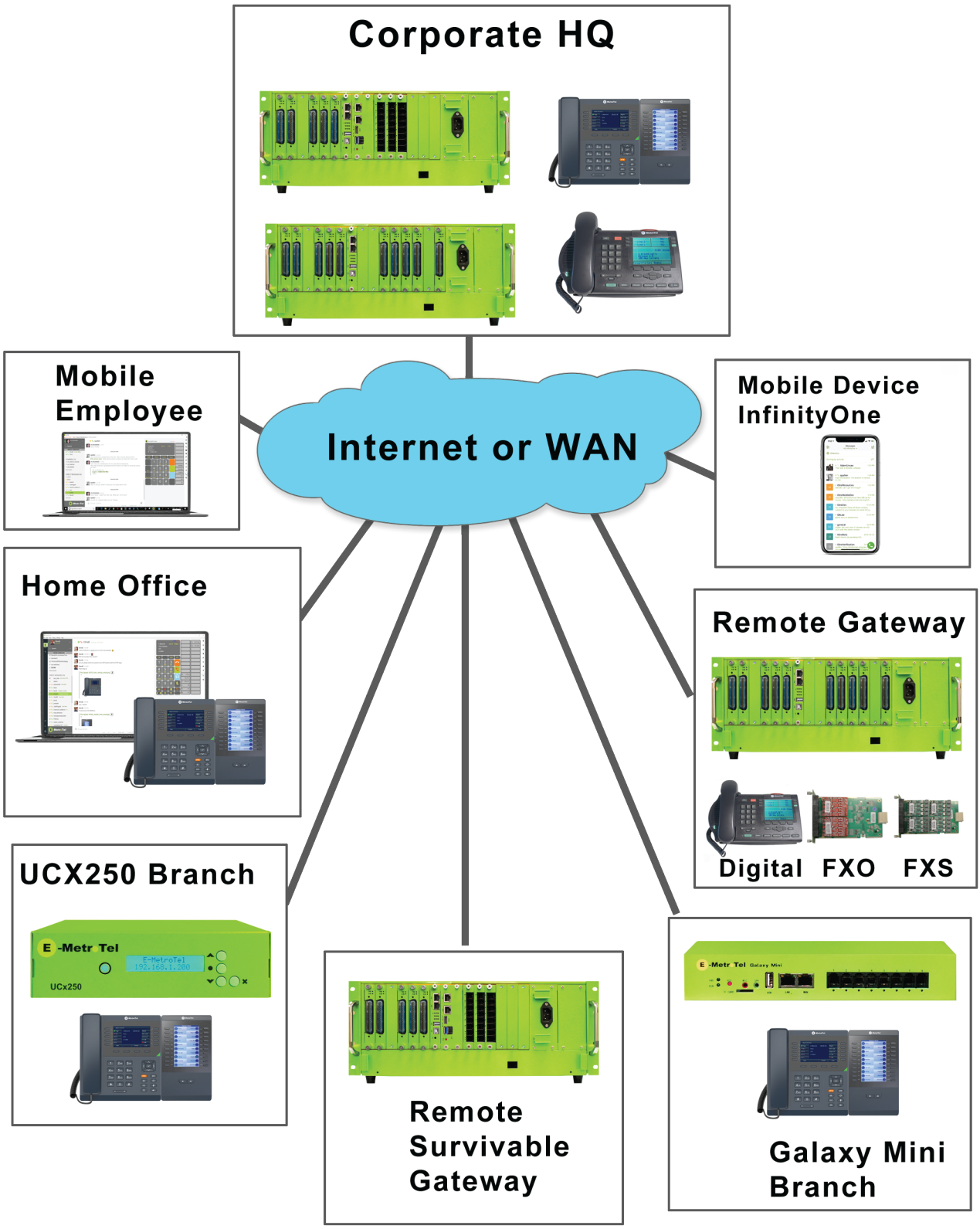
Galaxy 2930 Server Card - 200 registered extensions & 100 concurrent calls.
Galaxy i5 Server Card - 1000 registered extensions & 500 concurrent calls.
Galaxy DSM16 Digital Line Card - 16 digital phones.
Galaxy FXS16 Analog Line Card - 16 analog devices.
Galaxy FXS8 Analog Line Card - 8 analog devices.
Galaxy PRI-1 Single Span PRI Card - 1 PRI circuit.
Galaxy FXO8 Analog Trunk Card - 8 analog trunks.

The Galaxy Expand is stackable and can be on its own private IP network or the customer network. The communication between cards uses IP on the backplane and therefore reduces the IP port requirements by a factor of 11 when compared to other solutions.

The modular design allows for faster isolation while troubleshooting and easier parts-replacement for maintenance proposes. Galaxy Expand components are specifically designed to bring the level of efficiency required for real-time voice applications.

Flexible Architecture

Galaxy Expand works standalone, as active-standby, as a remote gateway or a survivable remote gateway. And can be networked with other Galaxy servers or with UCX servers.

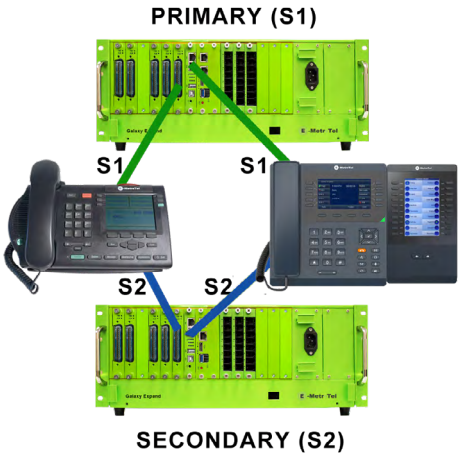


Deployment Options

Examples of common Galaxy Expand configurations adapted to fit customer needs. Note that installed customer solutions can also be re-configured as business needs require.

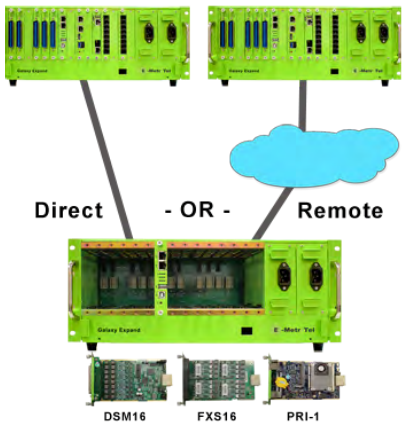
Standalone

Galaxy Expand delivers advanced applications including wireless capabilities, and unified messaging along with E-MetroTel Infinity 5000 XSTIM, and digital and analog phone lines. This configuration supports unlimited SIP trunks reducing ongoing telecom costs as part of a migration from legacy systems to Unified Communications.



Active-Standby Hardware Redundancy

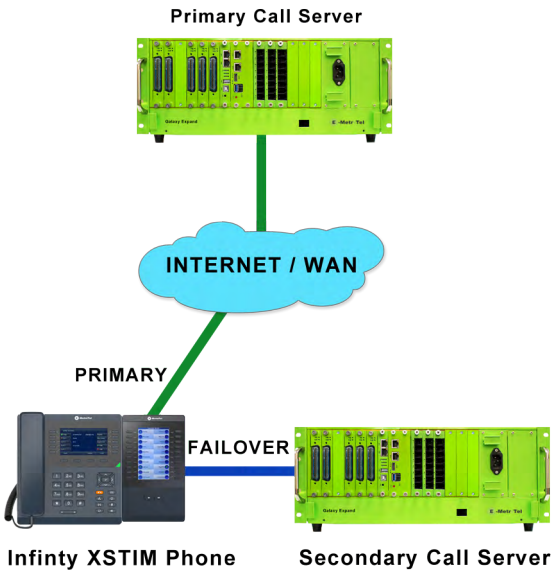
Utilizing Active-Standby software Galaxy Expand can provide hardware resiliency with two Call Server cards in the same chassis or with two separate chassis using their own Call Server cards.



Remote Gateway

With the Call Server card removed the Galaxy Expand chassis can be loaded with combinations of DSM16p, FXS16, or PRI cards for a maximum of 3000 ports. And gateway(s) can be on site with the call server or at a remote location.

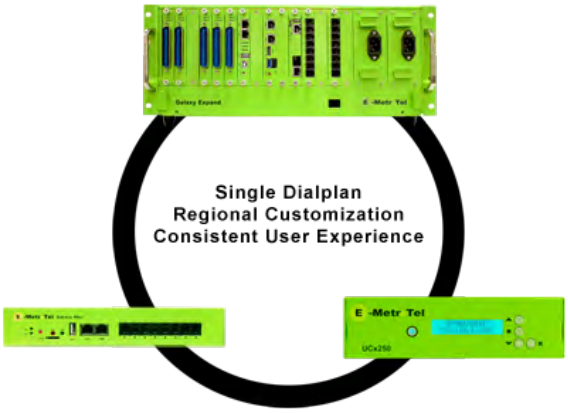
Deployment Options (cont)



Survivable Remote Gateways (SRG)

Galaxy Expand can provide local call processing for branch office users in the event of loss of network connectivity with the headquarters location.

In addition to the DSM16p, FXS16, and PRI cards, survivable remote gateways can support FXO-8 cards working with a local Call Server card to provide network failure survivability to local users.



Networking

Galaxy Expand can economically keep pace with the rapid growth across your enterprise by maintaining a single dialplan and regional customization, and can provide a consistent user experience with network wide collaboration capabilities.

If you are worried about security, cost, or bandwidth challenges across diverse geographies a distributed deployment provides more flexibility on a regional basis.

Technical Specifications

Network Interface

- 2x 100/10M RJ45
- 2 USB Ports - One Host, One Client

Plug-in Cards

- 11 Card Slots
- Supported Server cards:
  - Galaxy i5 Server Card
  - Galaxy 2930 Server Card
- Supported trunk cards:
  - Galaxy PRI-1
  - Galaxy FXO8
- Supported extensions cards
  - Galaxy DSM16
  - Galaxy FXS16
  - Galaxy FXS8

System Cooling

- 3 Fans
- Removable Fan Tray
- Vertical airflow

Power

- Dual power supply
- 400W, 120-240 VAC, 50 - 60 Hz pluggable power supply
- IEC 60320 - C14 power inlet

Dimensions

- Standard 19” rack mount
- 19” x 7”(4U) x 10.25”
- 483 mm x 177 mm x 260 mm) W x H x D

Operating Parameters

- Operating Temperature: 0°C to 50 °C
- Storage Temperature: -40 °C ~ 125 °C
- Humidity: 10 ~ 90% NON-CONDENSING

Shipping Parameters

- Dimensions: 32” X 24” X 10” (81x61x25cm)
- Weight: 34Lbs (15.4 Kg)

Supported Telephony Devices

- E-MetroTel XSTIM Phones Infinity 5004, 5008, 5010W
- Nortel 1100, 1200 & 2000 series IP telephones
- Avaya IP phones
- Panasonic IP phones
- Nortel Digital phones
- Avaya Digital phones
- Panasonic Digital phones
- Analog telephones