

Phone, VoIP, Data, FAX & Cellular or Satellite Integrated Connectivity VoicePAC—leading the Next Generation in VoIP 3G/4G LTE Gateways

- Analog Phone, VoIP, IP Data, WiFi and FAX supported out of the box
- VoIP and 3G/4G LTE or Satellite communications
- Secure voice and data private network for remote offices and employees
- Ideal solution for remote employees with no terrestrial communications
- Industry leading patented audio quality
- Reduction in operating costs
- Simple to install use and maintain

The VoLTE VoicePAC family is a unique first of its kind multi play voice and data gateway solution, based on our extensive experience of communications over cellular and satellite networks.

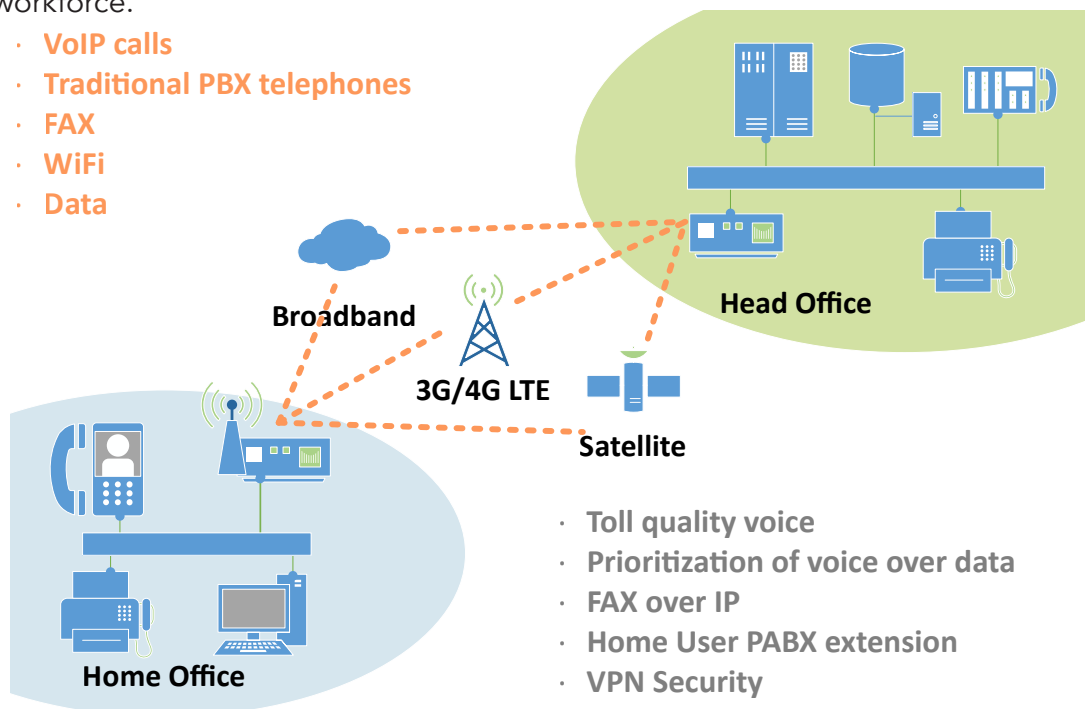
The VoLTE VoicePAC provides a resilient platform specifically designed to seamlessly handle and integrate voice services — still most businesses primary communication tool. VoLTE VoicePAC is an integrated solution for voice, FAX, VoIP and data traffic and importantly ensures priority and toll quality service for voice calls.

The high performance VoLTE VoicePAC connects to the head office PABX or VoIP system and office data network. It efficiently routes calls and data from the head office network to the remote worker via fixed broadband, satellite or cellular networks and vice versa. The system will also allow reliable FAX transmission over this network link cutting the need and cost of dedicated telephone lines.

This solution allows a remote worker to connect their PC and phone to the office using WiFi or more traditional connections via a standard broadband connection or where this is not available via a cellular or satellite network connection. The remote worker then becomes integrated into the companies PABX or VoIP system allowing high quality calls both internally and externally.

The VoLTE VoicePAC is especially cost effective for companies with a large remote workforce.

- VoIP calls
- Traditional PBX telephones
- FAX
- WiFi
- Data



- Toll quality voice
- Prioritization of voice over data
- FAX over IP
- Home User PABX extension
- VPN Security

Interoperability is a key element of the VoLTE VoicePAC family, which means that the devices can be integrated with existing TDM based PBX, soft switches, IP based telephony and IP data networks. Data and voice can be handled together with user definable prioritisation ensuring that the toll quality of voice communications can be maintained no matter what the load.

Optimization is probably one of the most important features for 3G/4G LTE and Satellite networks, the VoLTE VoicePAC family can compress standard G.711 SIP traffic as well as traditional analogue or digital voice over a cellular or satellite connection reducing the bandwidth used by a factor up to 16:1 and reducing the number of packets transmitted by a factor of 30:1 or more.

Aside from providing significant cost savings, offices can connect branches, remote offices, or teleworkers and establish an efficient and free-of-charge voice virtual private network. Customers can easily add redundancy and resiliency for their key services in case of traditional network outages.

The VoLTE VoicePAC can also serve as a last mile solution, providing rural telephony anywhere in the world where terrestrial lines do not exist.



VoicePAC Family Specifications:

Interfaces (Gateway)*

- 6 x LAN 10/100 Base-T
- 10 x T1/E1
- 28 x analogue voice
- 10 x high speed serial
- Hot swappable cards
- Redundant AC/DC power

Interfaces (Remote 4G LTE)

- 3G/4G LTE WAN
- LAN/WAN 10/100 Base-T
- WiFi 802.11n Access Point
- 2 x FXS/FXO (Voice/FAX)
- Serial Port (optional)
- 5V DC external power

VoIP

- Voice signalling: SIP, H323
- Codecs: NxACELP, G.711 PCM (μ /A-Law)

Security

- IPSec 3DES, AES

Cellular

- GSM module:
- Integrated quad band
- 850/900/1800/1900 MHz

Administration

- SIM installation:
- Standard SIM card holders
- Local Management: CLI, Secure Web and SNMP
- Remote Management: CLI, SNMP

Environmental

- Temperature:
- Operating -4°F to +149°F
- (-20°C to +65°C)
- Humidity:
- 0-95% non-condensing

* Maximum port configurations and loading are dependant on application
Specifications subject to change

Features

- Supports VoIP, SIP, FAX and Data over 3G/4G LTE, broadband and satellite networks
- Interoperates with standard PABX or IP PBX soft switch equipment
- Provides Gateway function between Private, PTSN and SIP Networks
- FAX over IP, 3G/4G and satellite
- Local and remote management
- Supports registration of local SIP extensions
- Compression and prioritization of voice over data on the WAN maintaining toll quality voice

Perfect For

- Home workers who require full access to office IT and Telephone facilities
- Remote home workers who do not have terrestrial communications at home
- Highly secure private communications over 3G/4G LTE, satellite or broadband networks
- Companies that wish to retain local and central FAX facilities without the cost of associated phone lines
- Integrate new VoIP Soft PBX into existing IT network and telephone infrastructure