VIRTUAL ACCESS

CRITICAL APPLICATION CONNECTIVITY

# Cost Effective POTS Replacement in Existing VoIP Networks


## Client Requirement Summary

- Copper lines losing market share is an issue
- Resolve operation, maintainence and deployment expense
- Replacement solution for copper wire lines
- Avoid large-scale redesign of functioning networks
- Alternative solution for mobile migration
- Analogue POTS port (FXS) at customer premises
- LTE WAN link
- SIP client for integration with IP telephony services

## Key Benefits

- No changes required at the customer's existing dialler equipment
- Clock recovery means voice-band-data (dialup modem) applications are not affected by clock slips
- Migration from twisted copper to radio link without quality reduction
- Forward-error-correction features maintain analogue audio quality
- Packet loss handling designed for fax and modem applications

## Requirement

Analogue phone lines on copper wires have been available for decades. There are many systems implemented on this service, including fax, monitored alarm systems, remote management access to IT equipment and SCADA systems. Mobile telephony and mobile data is ubiquitous and is the current standard for remote data access, making copper phone lines redundant.

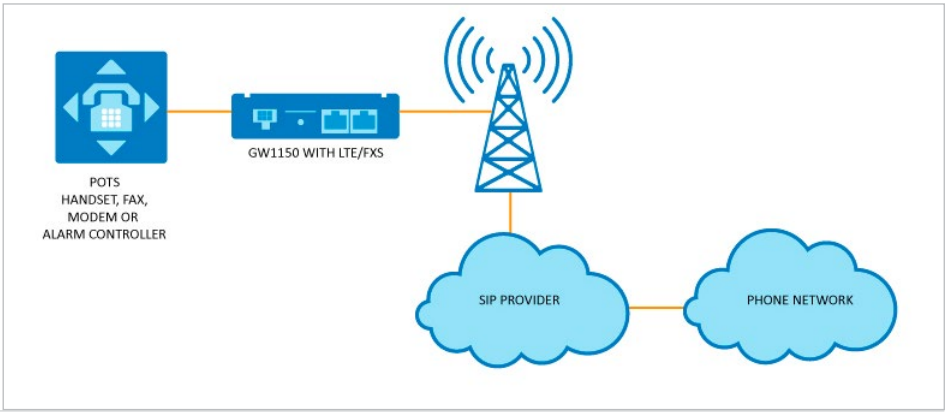
Since existing copper lines are losing market share to mobile, they are becoming more expensive to operate, maintain and deploy. Hence, providers are now motivated to decommission their analogue phone lines to customer sites. For many customers, migration to mobile only is a difficult problem, and an interim solution is preferable to large-scale redesign of functioning networks.

## Virtual Access Solution

The Virtual Access solution combines our success with mobile data routing, TDP over IP pseudowire technology and PSTN telephony in a single form router.

The GW1150 router provides:

- A compatible analogue POTS port at the customer site
- LTE WAN link for audio data streams, control and management
- Bespoke quality and error recovery features for FXS
- All of our standard management, security and telemetry features




Virtual Access (Ireland) Ltd., 9B Beckett Way, Park West Business Park, Dublin 12, D12 PK44, Ireland. Tel: +353 1 604 1800 Fax: +353 1 670 5380

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