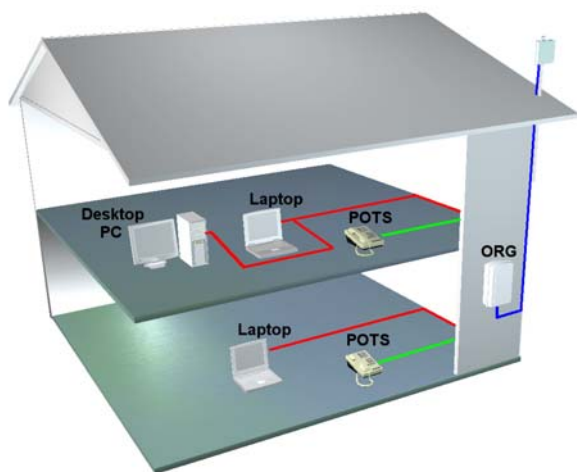


# Outdoor Residential Gateway

- **Advanced POTS Voice and IP Data in an Active NID**
- **Built to Telco Standards**
  - CLASS features
  - 8 Hr Battery Backup
  - Lightning protection
  - Temp hardened
- **Easy to deploy**
  - No in-home service
- **Full remote management**



The ThinRoute Outdoor Residential Gateway (ORG) integrates all of the features and functions that carriers need for delivering voice and broadband data services to residential /SOHO customers. Designed from the ground up to work with wireless Ethernet networks, the ORG is a battery backed gateway that provides two POTS lines, 10/100baseT Ethernet WAN and LAN ports, and power (PoE) for the associated radio. The ORG mounts neatly on a wall of the premise or on a pole as far away as 300 feet. CLASS services are supported including Caller ID, Call Forwarding and Call Hold. Management and maintenance can be performed from anywhere in the network via a web browser interface or SNMP Element Management System.



# OUTDOOR RESIDENTIAL GATEWAY SPECIFICATION

Product Specification	
Telephone Interface	2 voice ports: terminal block
WAN Interface	10/100 Base-T RJ-45 with PoE to power radio/uplink device
LAN Interface	10/100 Base-T RJ-45
Battery Backup	8 hour battery backup
Transient Protection	Lightning protection: Telcordia GR-1089

Software Specification	
Protocols	SIP 2.0; MGCP; PacketCable NCS 1.0
Speech Codec	G.711 and one of the following: G.726, G.728, G.729E, G.723.1, G.729A
Quality of Service	QoS IEEE 802.1p/q; TOS Tagging
Signal Processing	Echo Cancellation: G.168 T.38 Fax Caller ID FSK signal regeneration
Tones	Ring back Reorder Receiver Off Hook Busy Dial tone Message waiting stutter tone
DTMF	DTMF tone detection and generation: RFC2833
Announcements	Play out any voice stream sent by Call Agent or via SIP Proxy
OAM&P	CLI, TFTP, HTTP 1.0, SNMP, Telnet Works with any SNMP (V.1, V.2c, V.3) based EMS Web browser access, TFTP remote downloads/upgrades

Physical Specification	
Power Consumption	DC powered: Idle- 12V/0.19A/Talking- 12V/.28A AC powered: Idle- 120V/80ma/Talking- 120V/90ma
Dimensions	17.25"H x 10.25"W x 5.25"H
Operating Temperature	-22F to 122F (-30C to 50C)
Operating Humidity	90% RH non-condensing maximum

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