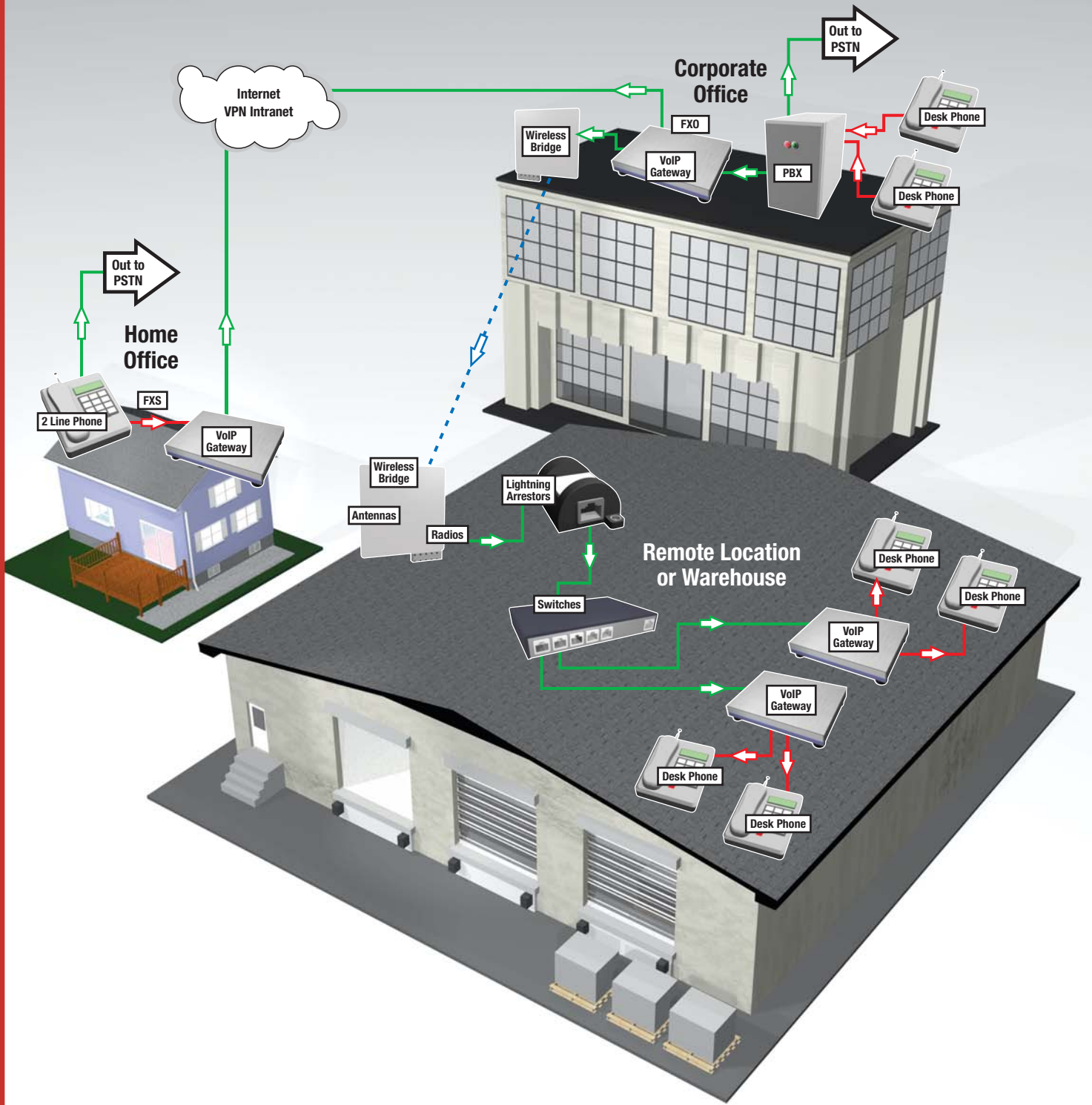


Illustrated Applications from TESSCO



COLOR KEY:

- Telephone Cable (Red arrow)
- Wireless Connection (Blue dashed arrow)
- Ethernet Cable, Twisted Pairs (Green arrow)

Arrows indicate system construction flow.

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Voice Over Internet Protocol (VoIP)

MARKETS

SOHO, enterprise, education, hospitality, Internet service provider (ISP), wireless Internet service provider (WISP)

USES

- Toll-free and fax communications over the Internet or intranet/WAN
- Bundled voice and data communications for ISP or WISP customers with multilocation offices

FEATURES

- Systems from 1 to 48 ports
- Available in analog and digital models
- Direct connections to phones, fax machines, public switched telephone networks (PSTN) or private branch exchange (PBX) systems
- Foreign exchange subscriber/foreign exchange office (FXS/FXO) and E&M connections for direct analog connections
- Supports H.450 supplementary services such as call transfer, call forwarding, call hold/call waiting and name identification
- Supports H.323 or serial interface protocol (SIP) for sending voice over the Internet

BENEFITS

- Reduces long distance and toll charges between frequently called numbers
- Improves employee productivity and efficiency by unifying communications across the company

INFORMATION NEEDED

- Type of phone system currently in place
- Number of users
- Percentage of intra-office communications
- Type of Internet connection

CRITICAL CONCERNS

- Adequate bandwidth to accommodate number of users
- Capability for expansion to meet future growth
- VoIP gateways at each location
- Ability of wireless broadband radios to handle voice

OTHER EQUIPMENT OPTIONS

- Wireless broadband radios
- Grounding
- Wireless PBX
- Test equipment
- Tools
- Mounting hardware