Analog VoIP SoHo Router
SmartLink™ 4020 Series

The SmartLink 4020 VoIP SoHo Router connects your LAN, standard analog phones, and fax to any IP network. This full featured IP router includes support for PPPoE and Quality of Service for converged low-cost sales-office/telecommuter voice data communications.

Two FXS Connections
Up to 2 FXS ports connect to a standard phone or PBX.

QoS Guaranteed
Quality of Service ensures voice traffic gets priority without shutting down your Ethernet LAN.

Firewall, NAT, DHCP, PPPoE
Connect to any broadband access provider, serve the whole network, and secure your data. User configurable IP services ensure every host is connected to the LAN.

SIP Signaling
Deploy into any multimedia, interactive, or softswitch network with the leading call and session signaling protocols.

Toll Quality CODECs & T.38 fax
Uses standard G.711 or G.726 CODECs for toll-quality voice, or G.723 or G.729 for low-bandwidth applications.

The SmartLink VoIP SoHo Router provides transparent connectivity for analog phones and faxes to the world of Internet voice. Connecting to any analog phone, fax or PBX, the SmartLink product is an effective and flexible solution for small offices and telecommuters to access Internet-based telephone services and corporate intranet systems across established LAN and Internet connections like xDSL and cable modems.

The SmartLink Model 4021 provides two RJ-45 Ethernet ports and one FXS (RJ-11) analog phone port. The SmartLink Model 4022 provides two RJ-45 Ethernet ports and two FXS (RJ-11) analog phone ports. Front panel LEDs quickly show at-a-glance the status of the system, LAN, WAN, and phone ports.

A full suite of IP features (DHCP, NAT/PAT, and NTP) are available to LAN devices attached downstream. VLAN tagging and prioritization enables voice traffic to be handled before data traffic. Support for PPPoE simplifies extending corporate intranet services to remote telecommuters.
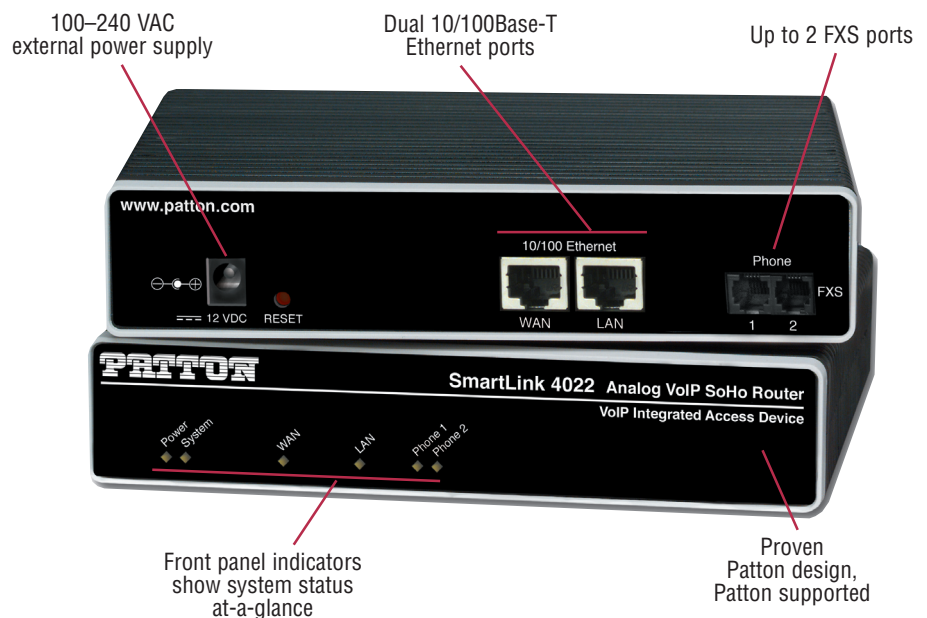
The web interface offers two levels of configuration access for the network operator and end user. The friendly web interface and product labeling (Phone, LAN, WAN etc.) to help ensure a trouble-free installation for the end user. Configuration and firmware can be downloaded from a TFTP server.

The SmartLink is SIP standard compliant, so it can be used with most SIP-based telephony services. Analog phones attached to the SmartLink can use such advanced voice calling features as call forwarding, caller ID, 3-way calling, call holding, call retrieval and call transfer.
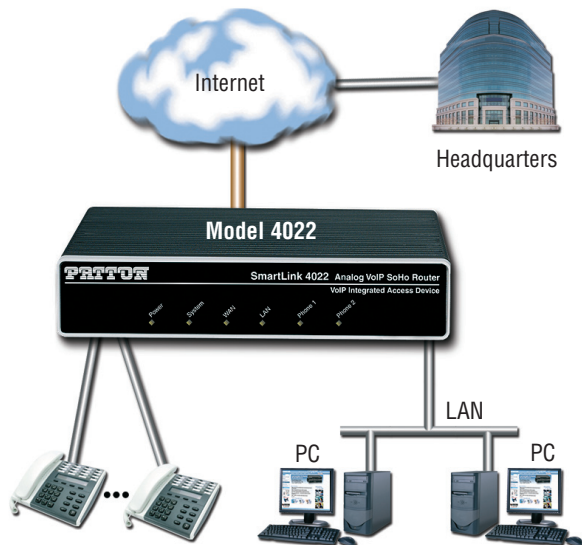
Visit www.patton.com for more information.

GET YOUR ADVANCE SHIP 5 YEARS ENHANCED WARRANTY
Special Rates Available Call for Details

100–240 VAC external power supply

Dual 10/100Base-T Ethernet ports

Up to 2 FXS ports

www.patton.com — 12 VDC — RESET — 10/100 Ethernet — WAN — LAN — Phone — FXS — 1 — 2

SmartLink 4022 Analog VoIP SoHo Router
VoIP Integrated Access Device

Power — System — WAN — LAN — Phone 1 — Phone 2

Front panel indicators show system status at-a-glance

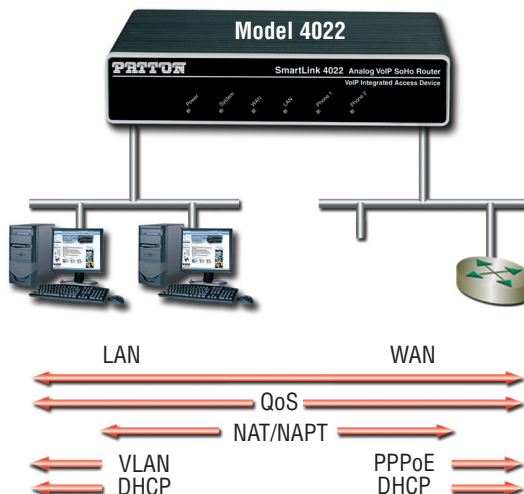Proven Patton design, Patton supported

PATTON®

Local PSTN + Packet Voice

Using Patton's SmartLink VoIP SoHo routers with FXS supports seamless access to Internet telephony and data.

LAN/WAN QoS & Router

As a premise router, the SmartLink offers voice and complete Internet access. With dual 10/100 Ethernet ports, the SmartLink connects hosts to your LAN with VLAN tagging, DHCP server/client, and Firewall/ACL services. Use the integrated support for PPPoE and QoS to bring your voice and data to the WAN through a single and secure network connection.

Specifications

Voice Connectivity
2-wire loopstart, RJ-11/12 • short haul loop 1.1 km @3REN • Caller-ID Type-1/2 FSK & ITU V.23/Bell 202 generation

Voice Processing (signaling dependent)
SIP • MGCP (Packet Cable NCS 1.0 & IETF MGCP 1.0) • Voice CODECs (G.711 A-Law/µ-Law (64 kbps); G.726 (ADPCM 40, 32, 24, 16 kbps); G.723.1 (5.3 or 6.3 kbps); G.729ab (8 kbps)) • G.168 echo cancellation • 4 parallel voice connections • DTMF detection & generation • carrier tone detection & generation •

silence suppression & comfort noise • configurable dejitter buffer • DTFM in-band & out-of-band • configurable transmit packet length • RTP/RTCP (RFC 1889)

Voice Services/Features
Call forwarding • Call transfer • Call hold • Call waiting • 3-way calling

IP Services
IPv4 router; RIPv1, v2 (RFC 1058 & 2453) • IP filtering • NAPT • NTP • DHCP client & server • PPPoE • Programmable static routes • ICMP redirect (RFC 792);

Packet fragmentation • DiffServe/ToS set or queue per header bits • VLAN support 802.1p/q • AES/DES/3DES encryption

Fax and Modem Support
G.711 transparent fax & T.38 fax relay (9.6 k, 14.4 k)

Connectivity
2 10/100 Full Duplex/Autosensing Ethernet RJ-45

Management
Browser configuration interface • TFTP configuration & firmware loading • SNMP v2 agent (MIB II & private MIB)

Environment
Temp.: 32–104°F (0–40°C)

Humidity: 5–80% (non condensing)

System
Power: 100–240 VAC (50/60 Hz)

Compliance: EMC compliance: EN55022 & EN55024 • Safety compliance: EN 50950 • CE compliance • FCC Part 15 Class B

Ordering Information

SL4021/EUI: 1 Port FXS VoIP Gateway Router, 2x 10/100Base-TX, 100–240 VAC external UI PS

SL4022/EUI: 2 Port FXS VoIP Gateway Router, 2x 10/100Base-TX, 100–240 VAC external UI PS

* Specifications subject to change without notice.