

Smart-DTA Residential Digital Telephone Adapter Model S-DTA



The Patton S-DTA brings all advantages of VoIP to ISDN users. It connects multiple terminals to its BRI So bus, and converts 2 concurrent voice or fax calls to SIP or H.323 —at an incredibly low price.

Instant ISDN to VoIP Connectivity

Provides one internally powered So bus for up to 8 terminals. Simultaneously converts 2 voice and fax calls to VoIP.

Transparent Telephony Features

Preserves ISDN features like caller ID and name (CLIP/CLIR), call transfer, hold, waiting, charging information (AOC) and much more.

Outstanding Interoperability

Interoperable for voice and fax calls with a wide variety of ISDN terminals, PBXs, as well as SIP and H.323 soft switches and application servers.

Full SIP and T.38 support

Complete range of industry standard signaling protocols supported: SIPv2, H.323v4, MGCP/IUA, ISDN, BRI, T.38, fax and modem bypass, DTMF relay.

Integrated Management and Provisioning

Web GUI for easy end-user setup, fully automated provisioning system and SNMP management for mass deployment.

The Smart-DTA enables integration of ISDN network users into a local VoIP phone service, or extends an ISDN line of a PBX to a remote site over IP. It offers a simple end-user configuration interface and connects both to a PBX in point-to-point mode and an So bus in point-multipoint mode.

Unlike most other products on the market, Patton's intelligent call routing technology does not only offer simple ISDN to VoIP, but also advanced features like number plan adaptations, mappings between ISDN and SIP/H.323, manipulation of call properties through regular expressions, routing calls based on time-of-day or bearer capability criteria and much more.

Providing power to the ISDN line, the S-DTA eliminates the need for an external power supply to provide power to the terminals. Gateway functions use standard CODECs such as G.723, G.729, and T.38 fax as well as industry standard SIP, H.323 and MGCP/IUA signaling protocols to ensure seamless connection and compatibility for all voice services. Quality of service (QoS) features complete the offering with advanced voice prioritization and traffic management including VLAN and 802.1p/Q tagging.

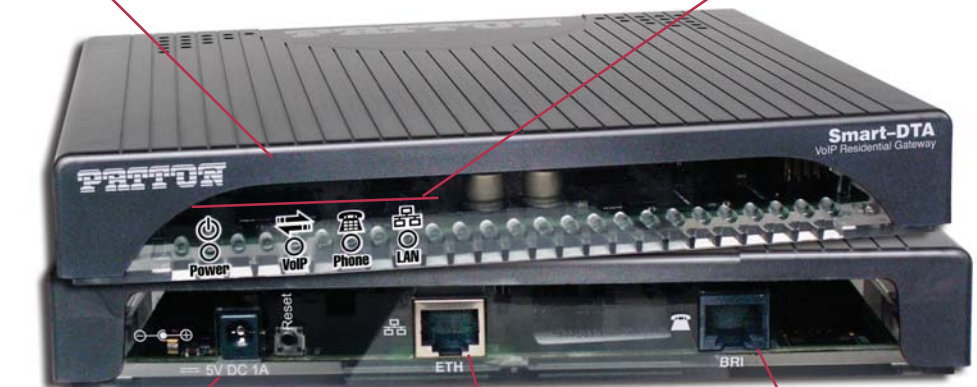


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Proven
Patton design,
Patton supported

Front panel indicators
show system status
at-a-glance



100–240 VAC
external power supply

10/100Base-T
Ethernet LAN port

ISDN TE
BRI/So port

Network Integration

Patton's Smart Digital Telephony Adapter provides seamless access to Internet telephony services for ISDN terminals. The S-DTA connects to any LAN or broadband access provider via modem.



Specifications*

WAN Connectivity

10/100Base-T Ethernet WAN • Auto-MDI-X • DHCP Client • PPPoE Client (multi-session) • SNTP • IP Multi-Netting

IP Quality of Service

IEEE 802.1p, TOS, DiffServ Labeling • IEEE 802.1Q, VLAN Tag insertion/deletion (4,096 VLANs)

Management

Web-based GUI • Fully documented CLI • Telnet and HTTP access • TFTP configuration up- and download • TFTP firmware upgrade • SNMPv1 agent, MIB II and enterprise MIB • Built-in diagnostic tools • Auto-Provisioning—Configuration and Firmware

Fax and Modem Support

T.38 fax over IP • Fax relay and bypass • Modem bypass

ISDN Specification

1 port Euro-ISDN BRI/So RJ-45, NT • DSS-1, Q.921, Q.931 • Point-to-point & point-to-multipoint • Line power for ISDN terminals

Voice Signaling

SIPv2 • H.323v4 • MGCP/IUA • SIP call transfer, redirect • Overlap or en-bloc dialing • DTMF in-band & out-of-band • Configurable call progress tones
Call Routing & Services: Regular expression number matching • Regular expression number manipulation • Least Cost

Routing • Number blocking • Short-Dialing • Digit collection • Distribution-Groups & Hunt-Groups • 2nd call offering

Voice Processing

G.723.1 (5.3/6.3 kbps) • G.729, G.729a, G.729ab (8 kbps) • G.726 ADPCM (16, 24, 32, 40 kbps) • G.168 echo cancellation (25 ms) • Transparent ISDN data • Silence suppression and comfort noise • Adaptive and configurable dejitter buffer • Configurable packet length

Dimensions

4.2W x 1.5H x 5.0D in.
(10.6W x 3.9H x 12.7D cm)

Weight

< 15.9 oz (450 g)

Power Consumption

< 4W

Operating Temperature

32–104°F (0–40°C)

Humidity

Up to 90%, non condensing

Compliance

FCC Part 15 Class B (US EMC) • CE per RTTE 99/5/EC (EMC and LVD) • Safety—EN60950 • TBR-3 (ISDN BRI/So)

Ordering Information

S-DTA/PEUI: ISDN VoIP adapter, 1x BRI/So, 2 voice/fax calls, 1x 10/100 Ethernet, external UI power (100–240 VAC)

* Specifications subject to change without notice.

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