

CONNECT 250 / 350 ISDN DATA and VOICE ADAPTER



The **Connect 250/350** Terminal Adapter range offers cost effective data access to ISDN with the ease of plug compatible replacement for a modem.

Whilst providing speed and quality above any other standard modem, the **Connect** also has two analogue ports for connection to ISDN from standard telephone devices (phone, fax, modem etc), enabling increased value for money from the ISDN line.

Some Features & Benefits from the Connect 250/350 range . . .

- Full ISDN throughput (faster than ISDN PC cards).
- Industry standard Hayes data interface, Data speeds up to 115.2 Kbps allowing full use of the ISDN bandwidth.
- No extra software drivers are needed for Windows NT, 95, 98, ME, XP etc. **PC operation without the need for loading special driver software.**
- Range of ISDN data protocols supported for applications including Internet Access, Video Surveillance, File Transfer and Credit Card authorization.
- Automatic recognition of data speeds, with no complex configuration.
- Multiple Subscriber Numbering (MSN) allows data port and analogue ports to be assigned unique telephone numbers to be called individually.
- Several devices can have separate telephone numbers but share the same ISDN line.
- LEDs to indicate line status, data interface and call status, for diagnostics.
- Analogue Caller Display (CLID), auto-dial and auto-answer from specific calling number can also be enabled if required.
- Special Line Failure Detection and Line Snatch features for security alarm applications.



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Connect 250/350 Adapter

Product Ordering Information

Product	Description	Order Code
Connect 250	Data/voice adapter for ISDN	Connect 250
Connect 350	Data/voice adapter for ISDN with X.25 and TCP/IP support	Connect 350

Retail box

Dimensions	Weight
250mm x 160mm x 55mm	0.7 Kg

Content

1 x Connect 250 or 350
1 x Plug top mains power supply
1 x ISDN cable (connects Connect 250/350 to ISDN wall box)
1 x Adapter cable (UK - adapts standard BT jack plug to analogue socket)
1 x Serial data cable – 9 way male to female
1 x Handbook

Product Dimensions

150mm x 140mm x 35mm

Warranty

1 Year

Power Supply

Input	Weight	Output
230V AC	0.3Kg	9V DC

The ISDN Connect 250/350 Family Specification

ISDN Interface	Connect	
	250	350
Basic Rate 2B+D, Q.921, Q.931 ETSI compliant	✓	✓
'S' bus compatible	✓	✓
RJ45 socket with cable provided	✓	✓

Analogue Interfaces

Two wire interface via RJ11 socket	✓	✓
50V feed at 20mA	✓	✓
Ringing voltage 80V P-P too REN4 for incoming voice calls	✓	✓
Off hook detection with network dial-tone to analogue device	✓	✓
DTMF tone recognition for dialling outgoing calls	✓	✓
Multiple Subscriber Numbering support for call routing	✓	✓
Auto-dial and auto-answer with calling number validation	✓	✓
Analogue Caller Display (CLID)	✓	✓

Data Interface

Asynchronous 9 pin RS232 interface	✓	✓
Autobauding to 115.2 Kbps	✓	✓
Hayes AT compatible with extensions for ISDN	✓	✓
RTS/CTS flow control	✓	✓
V.120 rate adaption	✓	✓
PPP async to sync conversion	✓	✓
X.25 rate adaption		✓
X.31 dial-up to X.25 networks (B channel)		✓
Integral X.3/X.29 PAD		✓
X.25 over B and D channels		✓
X.25 window size to 7		✓
X.25 packet sizes to 1024 bytes		✓
TCP/IP over PPP with CHAP and PAP authentication		✓

User Interface

Indicators for ISDN line status, DTR, Call active (CD), Send and receive data, Analogue port hook states	✓	✓
Easy to use – all configuration performed by AT commands - no confusing switch settings	✓	✓
Standard Hayes modem interface – no special software drivers required	✓	✓

Special Features for Alarm Systems

Line Snatch to enable outgoing calls even when both ISDN channels are busy	✓	✓
ISDN Line Failure Indication on analogue port	✓	✓