



- A wide range of interface types allow you to simulate all of the functionality of regular ISDN lines - and much more.
- Configuration is extensive but simple using a windows application or ANSI based terminal.
- Helpful LEDs show the status of each interface at a glance.
- **Emutel™|Max** can emulate different variants of ISDN by changing the PCMCIA personality card at the front.
- Depending on network type a range of supplementary services are supported for telephones and PBXs.
- **Emutel™|Max**'s weight, size and universal power supply make it a convenient portable network for exhibitions, production line testing and on site customer demonstrations.

By simulating the operation of a Central Office Switch, **Emutel™|Max** provides both Basic Rate ISDN (either U [2-wire] or S [4-wire] connection), Primary Rate ISDN (E1 or T1) and up to 14 Analogue Telephone connections which may be used just like regular ISDN lines or employed to carry out equipment testing. Almost every feature of **Emutel™|Max** can be customised, for example, the entire directory numbering structure can be changed. Special numbers activate network conditions such as User Busy or Call Rejected. Line power can be switched on or off.

Emutel™|Max is also extremely easy to use with indicator LEDs showing at a glance what each terminal is doing and a windows application program displaying Protocol Analyser information and allowing simple device configuration.

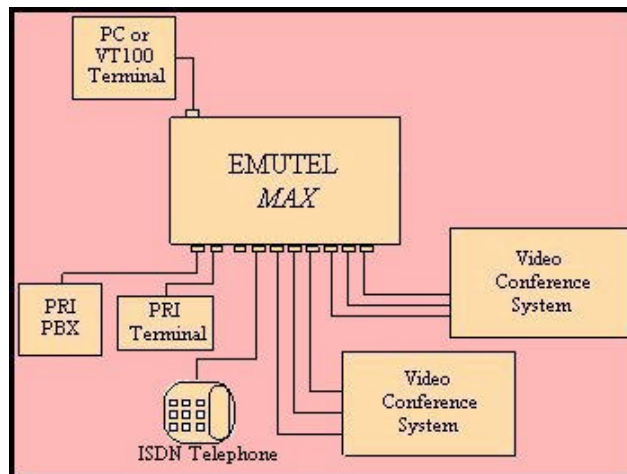
Emutel™|Max is a truly international product. By plugging in personality cards the system can accurately emulate ISDN variants in a whole range of different countries. Cards are available for BTNR 191 (UK), VN3 (France), ETSI (Europe), ITR6 (Germany), NTT (Japan) and AT&T 5ESS, National-ISDN & Nortel DMS100 (North American). Network dependent supplementary services are also supported.

At just 3.4kgs, **Emutel™|Max** is easily portable and since terminals can be powered directly from the interfaces it really is the ideal system for use at demonstrations, presentations, exhibitions and in production line testing. In addition **Emutel™|Max**'s universal power supply, which automatically switches between 240V and 110V, ensures that the system is transferable between the US and Europe without any adaptations.

Specification: Features & Capabilities

PRI Configuration	2 (any mix of E1 and T1) or none
BRI Configuration	8 BRI on main board (all S or all U [2B1Q]) + [optional 7 BRI module (all S or all U [2BIQ]) or optional 14 analogue telephone module]
BRI Interface Power	40V 1W Normal and Restricted on S 88V 1.5W Normal and Sealing on U
Analogue Telephone Interface	-48V line feed, REN3
Semi-Permanent Connection	Semi-permanent/nailed-up connection on BRI/PRI B channels
B Channels	2 per BRI, 6-30 per PRI E1 and 6-23 per PRI T1
Display Indicators	P (physical), D (datalink), and B (B channel) per interface
Protocol Analyser (option)	Layer 1, 2, and 3: Configuration for all networks irrespective of networks simulated
Network Variants	CCITT ⁺ , BTNR191 (UK), VN2/3 (France), ITR6 (Germany), ETSI (Europe), NAT-1/DMS100/5ESS (North American), and NTT (Japan) - supported by PCMCIA plug-in personality cards
D Channel Packet	X.25 on BRI1/BRI2, 100 logical calls in DCE mode
User Interface	Windows application or VT100 Terminal (V.24 Interface DB9 connection)
Directory Numbering BRI	Two numbers per Interface normal and twenty numbers per Interface if using DDI/MSN
Directory Numbering PRI	Thirty numbers per Interface normal and one hundred numbers per Interface if using DDI/MSN
Supplementary Service Support	Various depending on network simulated
Test Tones	Dial, Busy, Reorder, Alerting, and Selected Tones 300 Hz-3400 Hz, +3dBm to -26dBm
Power Requirements	90-250 Vac, 40W
Environmental	0-50°C, 10-80% Humidity, Non Condensing
Weight	3.4 kgs
Size	47 cm x 31 cm x 8 cm (Desktop) 49 cm x 29 cm x 9 cm (19" Rack)

Typical test set ups using emutelTM Max



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