

emutel™ Max

Basic Rate, Primary Rate and Analog line Emulator



Arcatech - emutel™ Max Features:

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

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
40V, 1W 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 America), 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

80-260 Vac, 40W

Environmental

0-50oC, 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)

Warranty

emutel™ Pro is supplied with one year's product warranty

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. '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.