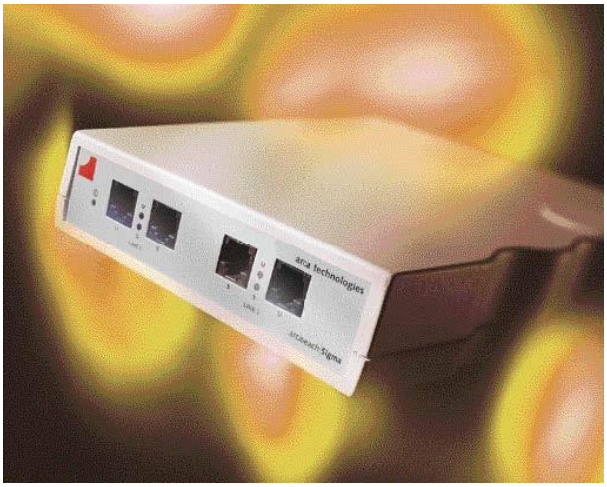
Cherry & White

Sigma S-bus Extender



The Sigma is an inverse NT-1 that changes a BRI-S interface (NT side) into a BRI-U interface (LT side) and provides power feeding (70V) on the U interface. Many digital PBXs offer ISDN Sbus interfaces as standard which can operate up to 0.9km (3000ft) under certain conditions. When there is a requirement for the S-bus to be located much further from the PBX the Sigma can be used to turn the S-bus interface into a U interface, supporting 2BIQ encoding. Using the Sigma an S interface can be extended up to 5km by installing an NT-1 at the far end.

Features

- Converts four wire S-bus interface to two wire U interface (2BIQ)
- Provides 70V 3W power feeding for NT-1s
- Extends up to 5.5km (18,500ft) (theoretical maximum)
- Supports Poin-multi-Point on remote S-bus
- Two extended S-buses in each Sigma unit

The Sigma can be used to turn the S-bus interface into a U interface. The U interface cabling can theoretically be up to 5.5km (18,500ft) although in practical situations it may be less than this.

The U interface can again be turned back to an S-bus interface using a standard NT-1 at the remote end where the ISDN terminals can be attached. The Sigma can optionally provide a voltage supply on the U interface to power the NT-1s if required.

The Sigma can also be used with other equipment when only an S-bus interface is supplied but a U interface is required.

Specifications

S Interface	TE Mode, 100 ohm terminated
U Interface	LT mode, ANSI T1.601
Number of Interfaces	2S and 2U
U Interface Power	70V 3W per U interface
Power Requirements	110V-125V, 8W or 240-250V, 6W (jumper selected)
Environmental	0-50°C, 10-80% Humidity, Non Condensing
Weight	1.5 Kg
Size	18.5cm x 15.5cm x 4.5 cm

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