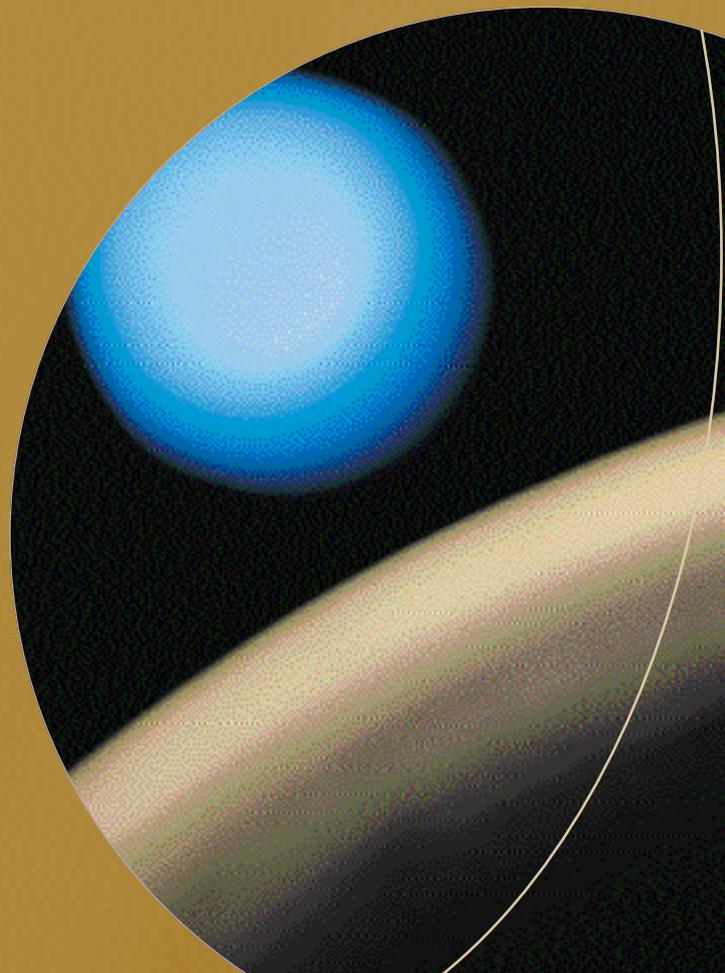


Arcareach | Sigma

S-bus Extender

Arcareach | 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 S-bus 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 **Arcareach | Sigma** can be used to turn the S-bus interface into a U interface, supporting 2BIQ encoding. Using **Arcareach | Sigma** an S interface can be extended up to 5km by installing an NT-1 at the far end.

- 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 **Arcareach | Sigma** unit



Arcareach | Sigma



arcareach|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.

arcareach|Sigma can optionally provide a voltage supply on the U interface to power the NT-1s if required.

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

Specification:

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

Warranty

arcareach|Sigma is supplied with one year's product warranty

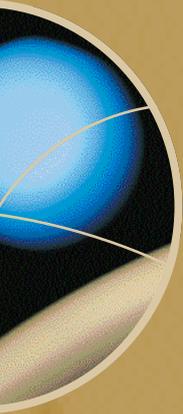


Arcatech | Limited

Price and availability of **arcareach|Sigma** can be requested by contacting the **arcatech** marketing team.

The following options are available on **arcareach|Sigma**

S-bus extender sealing	PO07/seal
S-bus extender non-sealing	PO07/nonseal



Arcatech - a world leader in emulation since 1993. Our product portfolio includes the **emutel™** range of ISDN PRI, BRI and analog Central Office simulators, **Emutel™ | Maestro** xDSL simulator, **Emutel™|Virtuoso** V5.1 and V5.2 simulator, **Arcaplex | Horizon** ISDN multiplexer, and **Arcareach | Sigma** S-bus extender.

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