



The ISDN line splitter,
which enables 128K calls with the STE over satellite

KLAS SPLITTER



The Connectivity People

What is KlasSplitter?

KlasSplitter contains advanced technology that allows 128K protocols work over two ISDN lines. Different models of M4 can be used in the same 128K call! KlasSplitter splits the 2B ISDN channels into 2 x single 64K B channels which can be connected to two satellite terminals. KlasSplitter also comes with full configuration details for the STE.

Connect a STE to two 64K or one 128K M4 terminal/s or use it 'in the clear'

KlasSplitter has been fully tested with the STE. When used with the STE, Klas-Splitter splits the STE ISDN line into two separate ISDN lines. KlasSplitter has three ISDN ports - the STE is connected to the first port and the other two ports are each connected to a single-channel (64K) M4. This allows the STE to make 128K call over two separate M4s. Different models of M4 can be used in the same 128K call. KlasSplitter correctly handles all the ISDN D-channel signalling information required by the STE.

Small and Light

The physical dimensions of the KlasSplitter are:

165 x 120 x 38 (mm)

6.5 x 4.7 x 1.5 (in)

Only a single STE is required at the mobile side even when making calls at 128K.

Easy to configure

KlasSplitter is very easy to configure and we can provide step-by-step configuration details for the STE. KlasSplitter does not require any user configuration and is ready to be used out of the box. KlasSplitter also comes with a tracing facility, which allows the user to monitor, call setup and diagnose connection problems.

Cables Available

KlasSplitter comes with three ISDN cables as standard. These ISDN cables are needed in order to connect to the STE.

Not Needed at Both ends

KlasSplitter is not needed at both ends of the connection and can communicate with existing STE installations. The KlasSplitter transparently routes the 128K STE bonding protocol when used with the STE. The STE has a built-in 128K protocol which KlasSplitter splits into two separate channels. KlasSplitter can connect to any remote STE which is configured for 128K.

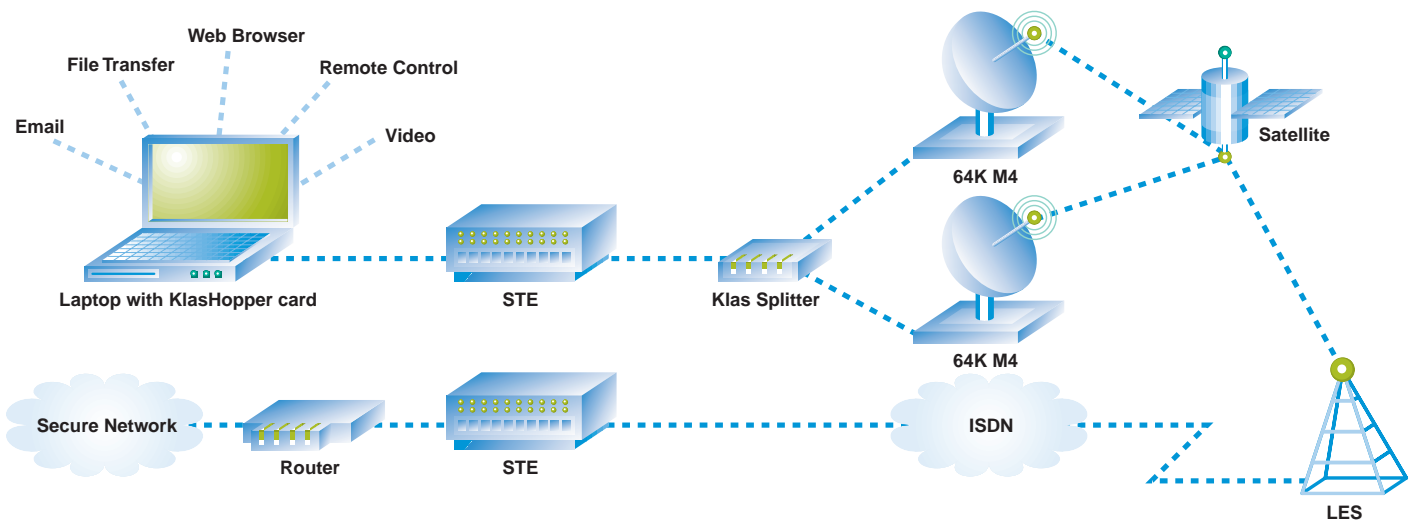
Supports PC and Router Solutions

KlasSplitter will work with any user device connected to the STE and/or M4 terminal. The configuration for KlasSplitter via control allows the user tracing and diagnostics facility so it couldn't be easier! KlasSplitter also supports double hop 128K so that mobile users can connect with other users in the field.

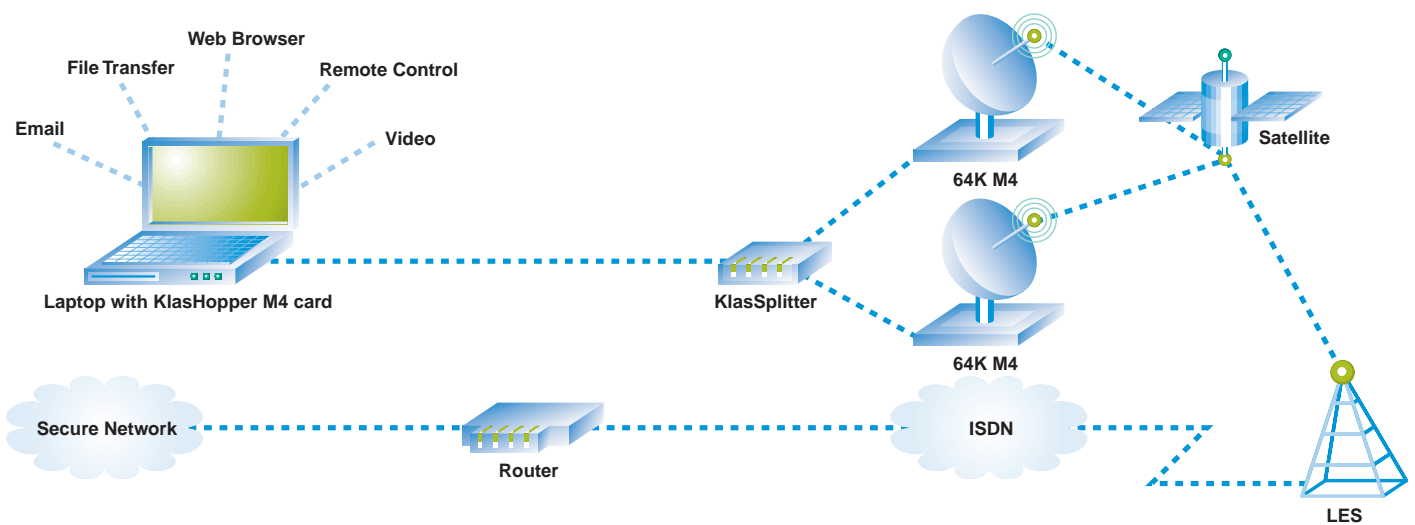


Schematics

➔ Connecting PC apps to a secure network with a STE over satellite and ISDN at 128K



➔ 'Connecting PC apps to a network over satellite and ISDN at 128K



Klas Application Software

KlasSplitter is the perfect accessory for Klas' PC connectivity, file transfer and videoconferencing products. KlasHopper is a PC card that makes it easy to browse the Internet, transfer files, send and receive emails and perform real-time videoconferencing using a PC connected to a KIV-7 or STE. KlasPeer2Peer makes it easy to dial and answer a call with a KIV-7 or STE for PC to PC based file transfer. KlasVideo - H.320 is a PC-based videoconferencing product that can dial any other H.320 videoconferencing system. KLAShopper, KlasPeer2Peer and KlasVideo-H.320 are designed specifically for KIV-7, STE or BRENT encrypted communications at 64K and 128K.

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KlasSplitter



ISDN Splitter Supports

*STE
*H.320 VTC
*Multilink PPP128K
ISDN lines

Encryption Devices

STE in Euro-ISDN mode

ISDN Interface (STE)

Euro-ISDN Interface with RJ-45
Connector

Dial and Answer at 128K (STE)

Dial using 2 single-channel (64K) M4s
Answer using 2 single-channel (64K)
M4s

Interoperability at 128K (STE)

STE configured in 128K
mode connected to ISDN

PC Configuration Software

Control Port:
Female RS-232 DB-25 Asynchronous
Operating Systems:
Windows 2000/XP

Supplied Cables

Async RS-232 DB-25
(for PC Configuration Software)
3 x RJ-45 ISDN cables

M4 Terminals Supported

All single-channel (64K) units
All dual-channel (128K) units

User Devices Supported

PC Connectivity Cards (e.g.
KlasHopper)
Routers

Power Supply

Universal 110-240V external power
supply
Approved for US and European use

Physical Dimensions

165 x 120 x 38 (mm)
6.5 x 4.7 x 1.5 (in)

Approvals

CE
Fully tested for Y2K compliance



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