

4-Channel G.703 Codirectional Data Module



- Separate connector for each channel
- Enhanced diagnostics
- Parameter setting via Management System
- For any I/O slot of VB-2030, VB-2034 or VB-8030, VB-8034

The HS-703 module provides VB-2030/VB-8030 with four 64-kbps G.703 codirectional data channels. Each channel can be independently enabled or disabled by software configuration.

Any channel of the HS-703 module may be directed to any channel of another

HS-703 module at the remote site (the remote module may also be any other G.703-compatible module). The timeslots used on the T1 or E1 links are individually assigned by the user for each channel.

An HS-703 channel, when connected to a remote low speed module, transparently transmits even multiplexed signals.

Transmit Pair timing (RX-OUT) is always locked to the VB-2030 nodal timing.

For the Receive Pair timing (TX-IN), two timing modes are supported by the VB-2030/VB-8030 system:

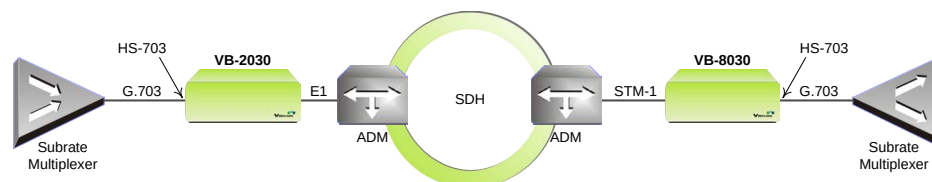
- Internal – where the G.703 timing source is locked to the VB-2030/VB-8030 nodal timing.
- External – where the VB-2030/VB-8030 nodal timing is locked to the receive pair timing of one of the HS-703 channels. This locks the VB-2030/VB-8030 nodal timing to the external 640-kbps G.703 channel.

Extensive diagnostics include local and remote loopbacks and reduce the module downtime to a minimum.

Separate LED indicators for each channel show loss of signal (TX LOSS) or loss of octet timing (OOS).

Each channel terminates in a separate 8-pin RJ-45 connector.

All operating parameters of HS-703 are soft-selectable through the VB-2030/VB-8030 management system.



Transport of 64-kbps G.703 Traffic over SDH Infrastructure

HS-703

4-Channel G.703 Codirectional Data Module

Specifications

Number of Data Channels

4

Data Rate per Channel

64 kbps

Interface

Codirectional, per ITU-T G.703

Connectors

RJ-45 (one for each channel)

Transmit Pair Timing (RX-OUT)

HS-703 channel timing is locked to
VB-2030/VB-8030 nodal timing

Receive Pair Timing (TX-IN)

Internal: locked VB-2030/VB-8030
nodal timing

External: VB-2030/VB-8030 nodal
timing is locked to the external G.703
timing source from one of the HS-703
channels

Diagnostics (per channel)

Local loopback (towards local
G.703 equipment)

Remote loopback (towards
remote equipment)

Indicators (per channel)

TX LOSS (red) – loss of signal

OOS (red) – loss of octet timing

Configuration

Programmable via the
VB-2030/VB-8030 management
system

Environment

Operating temperature: 0°C to 45°C
(32°F to 113°F)

Storage temperature: -20°C to +70°C
(-4°F to +160°F)

Humidity: up to 95%, non-condensing

Ordering

VB-2030M-HS-703

4-channel G.703 codirectional data
module for VB-2030/VB-8030



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