

OCTAL E1 INTERFACE MODULE



CONSOLIDATED 8XE1 SOLUTION

The Octal E1 Interface Module (IM) comprises eight E1 ports in a single consolidated device, providing operators with a scalable solution to rapid network expansion. For use with the Haliplex HPX-1600-SS multi-service provisioning platform, the Octal E1 IM operates at a trunk speed of 2048 kbps and can be connected to the SDH/SONET payload in unframed mode via a 50-pin VHDCI.

Designed for rugged network applications, the Octal E1 IM is equipped with superior availability and protection measures, including comprehensive alarms and loopback options & Automatic Protection Switching (APS) to any working channel. The Octal E1 IM front panel includes two LEDs that display the status of the software load and the data communications for each group of four ports.

Haliplex provides three interface cable options:

- VHDCI to wires suitable for termination in a punch-down block
- VHDCI to 8 x RJ45 connector cable - Straight through
- VHDCI to 8 x RJ45 connector cable - Cross over

- Trunk speed of 2048 kbps
- Eight E1 ports in a single IM
- Compact form factor
- Continuous availability and protection
- GUI configuration and management

HPX-1600 Modularity

Support for more than

20 different Interface Modules

The world's broadest service mix from a

1RU consolidated platform

Low and High Speed Triple Play

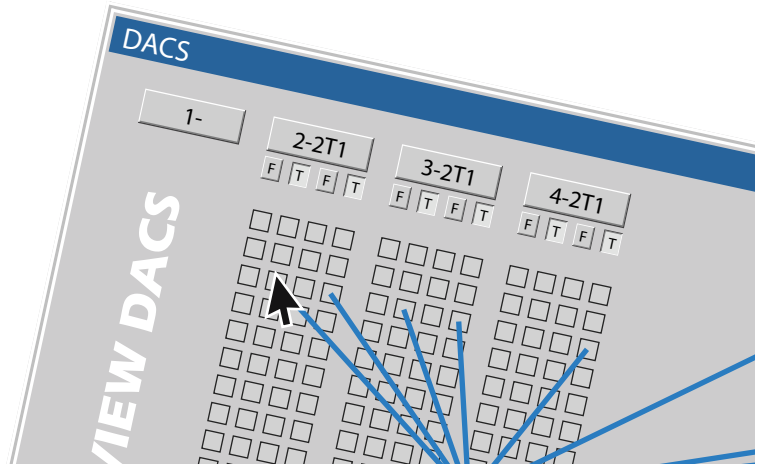
Over Copper, Fiber, Wireless

SIMPLE MANAGEMENT

Configure Circuits in Seconds

Haliplex platforms are centrally managed with Haliplex's own world-class graphical EMS/NMS solution, HPXView. This industry leading software empowers operators to realize the full potential of their services with the economy of remote management and diagnostics. Windows-driven and ready for integration with concurrent SNMP software, including SNMPc and HPOpenView, this management solution can be implemented in any new or existing network.

HPXView also includes Haliplex's revolutionary Digital Access Cross-Connect Switch (DACs) – a time-saving drag-and-drop answer to bandwidth optimization. The DACs is used to groom voice interfaces and serial data for simplex (one-way) or duplex (two-way) cross connects in multiples of DS0 (nx64kbps) into composite E1 or T1 trunks for local termination or transport over a high speed optic trunk.



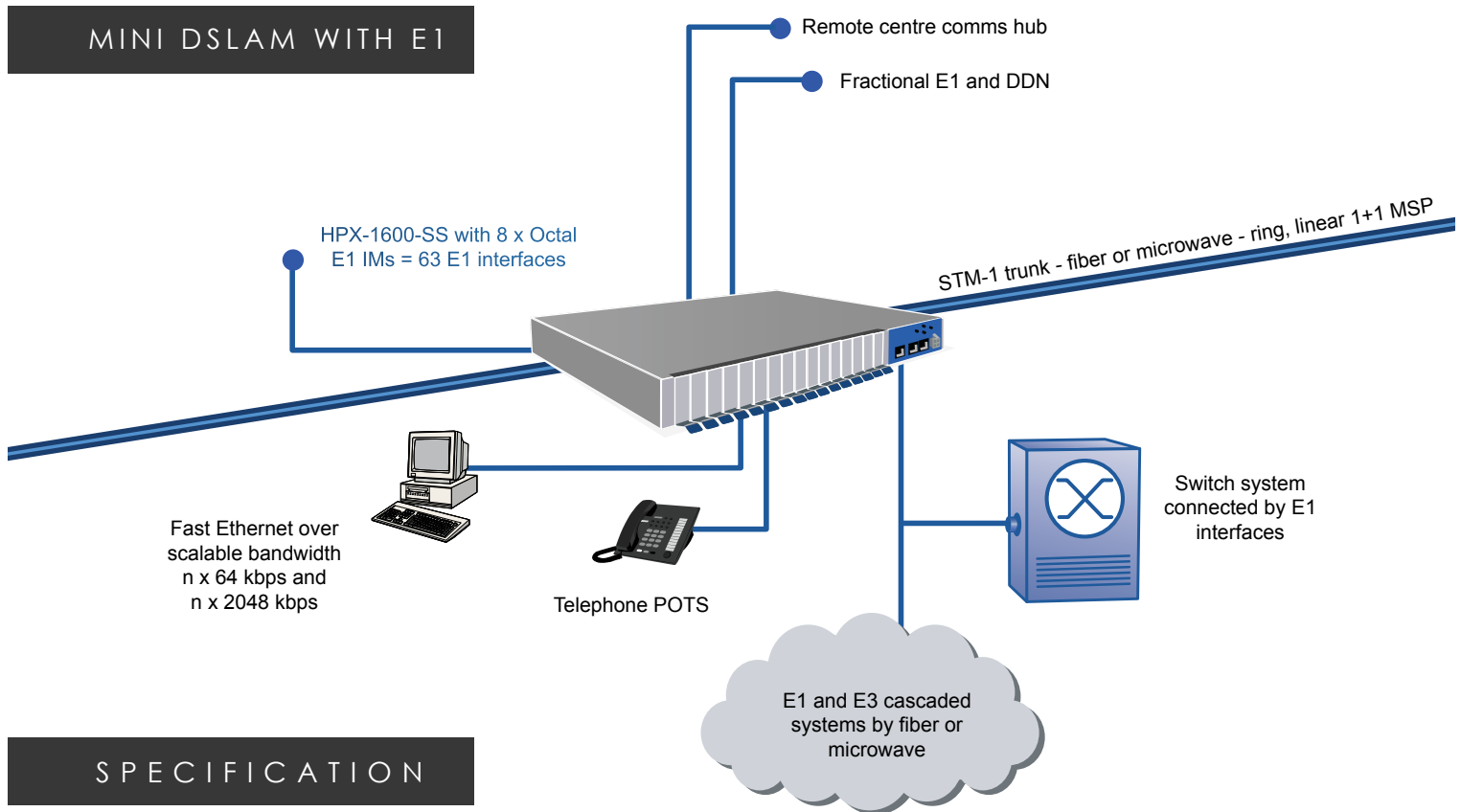
- Direct Management via USB, Ethernet, Serial Console port
- Remote IP based management; PPP over SONET/SDH DCC
- SNMP configuration and alarm reporting
- Periodic performance and alarm reporting with Syslog
- Digital Access Cross Connect Switch (DACs)
- Line and Backplane BER testing

With HPXView, Interface Modules can be configured remotely in a matter of minutes, eradicating costly truck rolls and greatly reducing the need for regional technical staff. HPXView places the power of network management in the hands of even the uninitiated user - with graphical interfacing and **drag-&-drop functionality**, configuration is just a mouse click away.

HPX 1600 SERIES

The HPX-1600 delivers voice, video and data services via a broad range of low and high speed hot-swappable Interface Modules. Each HPX-1600 chassis can be loaded with up to 16 modules in numerous configurations. This modular, mix-&-match design means operators can provision for today's requirements, and position the network for scalable, pay-as-you-grow expansion. Streamlined for optimal port density, these standards compliant modules can be shared and interchanged across platforms, and are implemented instantly with graphical user interface, HPXView. Implementing new services causes no disruption to uptime, or to power distribution through the chassis. In addition to fiber optic 1+1, SNCP and UPSR mechanisms, protection is available for PDH circuits at E1/T1 and E3/DS3 level.

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SPECIFICATION

Connector	50 pin VHDCI (shared for 8 ports) 120 Ohm
Bit rate	2048 kbps
Line Coding	HDB3
Loopbacks	Line and IM
Redundancy	1:1 or 1+1 with Y-cable
Power consumption	<5 Watts
Alarms	Loss of Signal (LOS)
Indicator LEDs	Loss of Signal (LOS)
Standards	Electrical: ITU-T, G.703 Jitter: G.823, G.742, G.736
Compliances	CE, A Tick, C Tick, FCC part 15 class B, UL
Physical	Height: 4.2 cm, Width: 2cm, Depth: 16cm, Weight: <150 grams
Configuration	Configuration with HPXView, or SNMP
Configuration rules	Supported by the HPX-1600-SS
Part number	HPX-IM-1640-E1
Case options	<ul style="list-style-type: none"> VHDCI to wires suitable for termination in a punch-down block VHDCI to 8 x RJ45 connector cable - straight through VHDCI to 8 x RJ45 connector cable - cross over