

Product Brief: VCoP T3 Smart SFP™ Clear Channel TDM over Packet

Overview

VCoP T3 Smart SFP™ converts a T3 signal (also known as DS3) to a packet stream using Clear Channel TDM over Packet pseudowire technology.

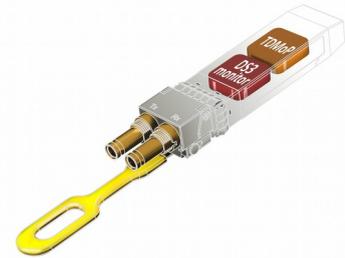
Designed in conformance with the Small Form Factor Pluggable 20-pin Multi-Source Agreement (MSA), the VCoP T3 Smart SFP™ can be inserted in a router or a switch and transports T3 PDH traffic across a packet network.

VCoP T3 Smart SFP™ is a plug-and-play device which can be used without any provisioning and simplifies configuration and service turn-up of T3 connections across a packet network.

The integration of VCoP T3 into an SFP greatly reduces system and network complexity, offers lower carbon footprint, and brings CAPEX and OPEX savings.

VCoP T3 capabilities are complemented with a Gigabit Ethernet system interface. It provides a mini coax 75 Ohm T3 interface supporting a cable length of 450 ft. It is designed to operate at industrial temperature range.

Optionally, an API is available to facilitate tight integration in existing equipment. Alternatively, the Smart Device Manager application allows configuration and helps to monitor relevant parameters.



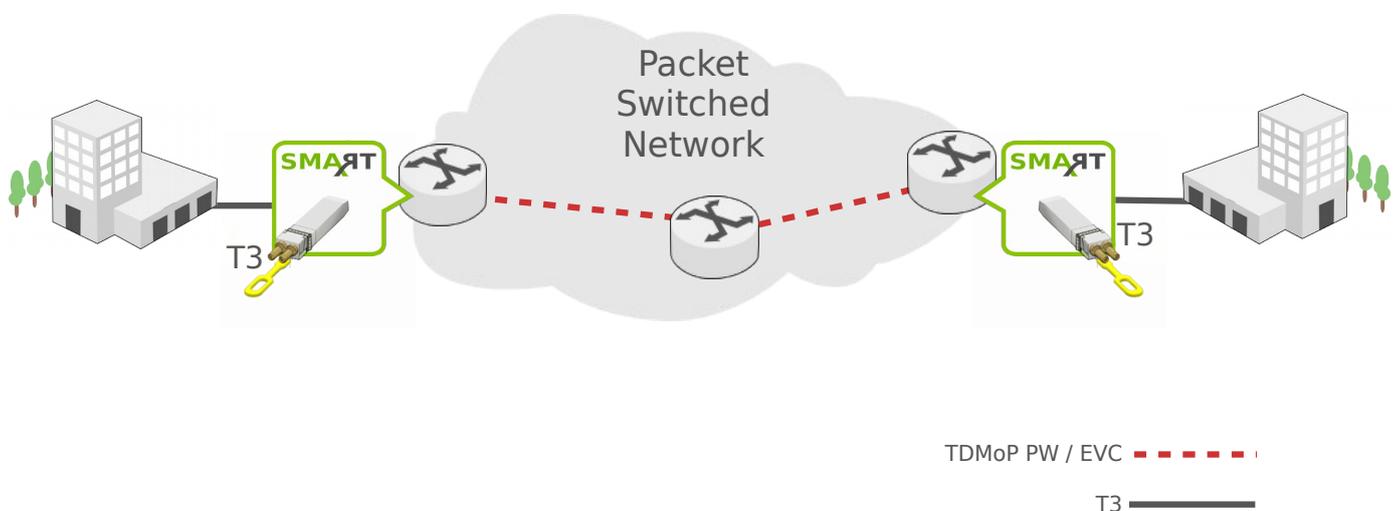
Application Highlights

- T3 TDM over Packet
- Eliminate TDM leased line costs
- Enterprise/Business access
- Migrate T3 access link to packet

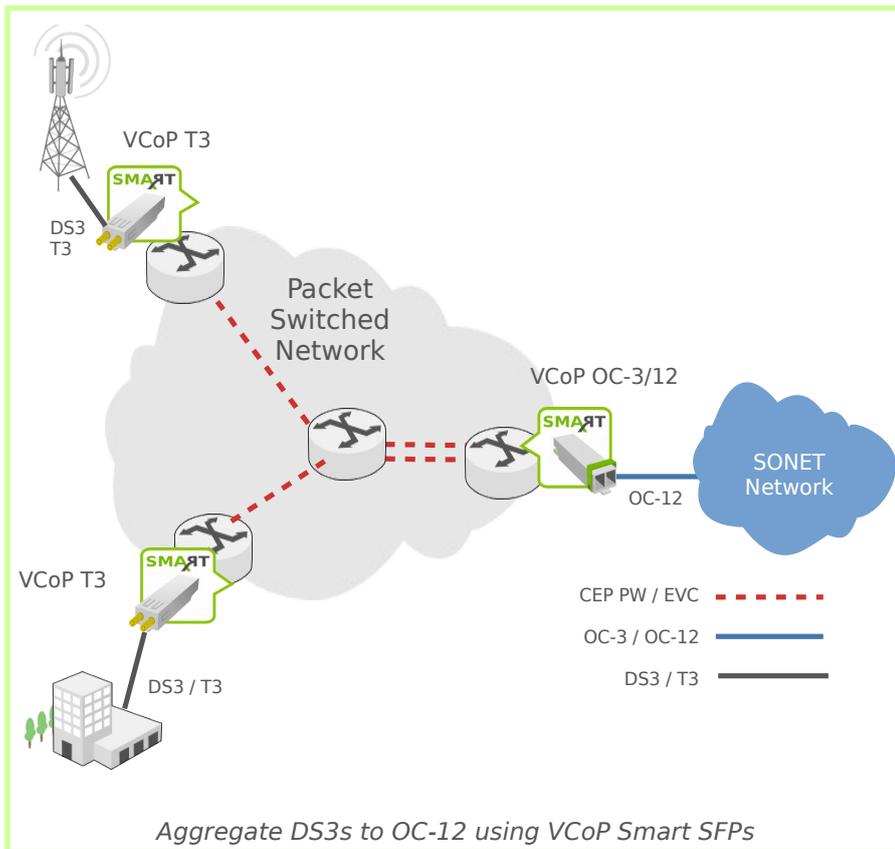
Benefits

- Compact size
- Industrial temperature range
- Low Carbon footprint
- Total cost reduction

Applications



Point to point transport of T3 signals over packet network



Features

- SFP INF-8074 compliant¹
- CEP (RFC4842) packetizer
- EPAR clock recovery, using SyncE as reference clock
- MEF8 and MPLS Frame header format, with optional VLAN tag
- Packetization latency of 125 μ s
- Jitter and wander compliant to ITU-T G.8261, G.824 and GR-253
- Plug and play: no configuration needed
- Interop with other CEP equipment, including VCoP OC-N Smart SFP™

Interfaces

- T3 44.736 Mb/s 75 Ohm coax
- E3 34.368 Mb/s 75 Ohm coax²
- Compatible with SFP electrical MSA
- Mini coax DIN 1.0/2.3 connector
- MSA interface supports 1000Base-X SerDes
- Available operating temperature range:
 - Industrial: -40°C to 85°C

Contact Information

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¹ Exception: power consumption exceeds MSA limit

² Future release

v410.35.27 2018-05-14 v1.16