

SONET EXTENSIONS

O3-12D1D



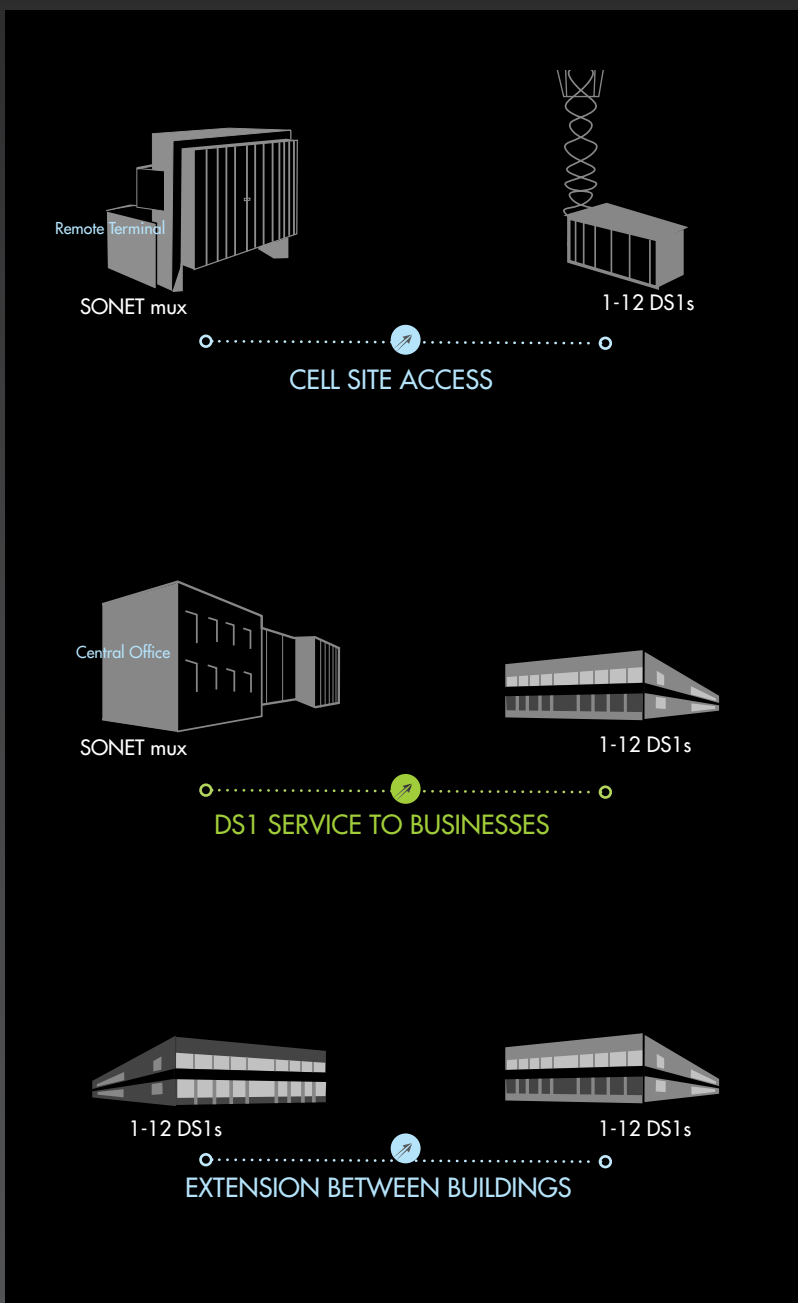
The O3-12D1D provides a SONET Extension of 1-to-12 DS1s while eliminating the need for software, separate common equipment, power supplies, T1 termination electronics and proprietary mountings. The O3-12D1D does it all – it can even be plugged into many existing T1 Smart Jack housings to enable immediate fiber cutovers and avoid the cost, time and logistics necessary to install new cabinets.

APPLICATIONS

- Cell Site Fiber Upgrades – higher bandwidth, better lightning protection
- Plug-and-play upgrade to DS3 and 10/100/1000Mb full-rate Ethernet
- Business fiber upgrades
- DS1 extensions up risers or between buildings

FEATURES

- Service in Minutes
 - Patent pending Optionless SONET
 - No common cards or proprietary shelves
 - 24Vdc, 48Vdc, 120Vac or span powering
- SONET Compliant
 - Fiber extensions from existing higher order muxes
 - TL-1 NMA access via DCC
 - A full range of OC3 optics: single fiber, standard 1310 and 1550nm, CWDM
- Bookend Capability
 - A key capability to leverage existing legacy muxes and conserve fiber
- Climate Hardened
 - GR-3108 Class 3 temperature requirements
 - Built-in GR-1089 OSP lightning protection



MIGRATION STRATEGY

Pulsecom access modules are designed for changing subscriber service needs. The O3-12D1D, which provides 12 DS1s over OC3 SONET, can be replaced by an O3D3-MO (in the same or different physical card slot) to upgrade to SONET-based DS3 service. The O3D3-MO can then be replaced with an OE to upgrade to 10/100BT over an OC3 or a G2HC for pair of GigEs over OC-48. When a site is ready for Native Ethernet based service, any of these cards can be replaced with the EOE, or the EOE can be installed next to any of them for simultaneous TDM and Ethernet.

INTERFACES

Optical Interface: SFP optics for support of standard 1310/1550nm, CWDM, bidirectional single fiber or multimode fiber.

DS1 Interface: 50 pin AMP Champ RJ38H connector. Stub-ended cables and bulkhead RJ48C demarc connections are available

Craft Port: RS232, female DB-9 port for PC running Hyper Terminal or other VT-100 emulation.

APPLICABLE STANDARDS

GR-253-CORE (SONET) GR-499-CORE (DS1)
GR-820-CORE (DCC) GR-63-CORE (NEBS)
GR-1089-CORE (NEBS)

SPECIFICATIONS

Size: 5.6 x 1.4 x 5.9 in. (HxWxD)
Type 400 mechanics
Power Dissipation: 12.5 W nominal
Input Voltage: 20 to 56.7 VDC
Nominal Current: 250mA at -48V, 520mA at 24V
Operating Temperature: -40° to +65° C



ORDERING CODE O3-12D1D

PULSECOM



fiber backhaul



energy efficiency

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