



# S6310-3340

Media Converters



## ION POTS MEDIA CONVERTER

### POTS over Fiber

The S6310-3340 is a stand-alone media converter that provides an interface between a twisted pair RJ-11 port and a fiber port, allowing users to connect central-office voice grade signals to distant Plain Old Telephone equipment (POTS) utilizing standard telephone signaling. Two units are required to implement an end to end system. The first unit connects to a telephone line or PBX and is configured to act as a telephone (FXO Mode) and has the ability to detect ringing voltages. The second unit is the reciprocal unit and is configured to have the ability to act as a Central Office and connects to a telephone device (FXS Mode).

Together, the modules allow legacy analog phone lines to be extended over fiber for both permanent installations as well as temporary job-site installations.

### Applications:

- Provides voice grade service to extend useful life of legacy analog telecom equipment
- Acts as a telephone and connects to a telephone line or PBX
- Acts as a central office and connects to a telephone device
- For use in permanent or temporary job-site installations

### Markets:



Service Providers



Campuses



Hotel



Healthcare



### Specifications

#### Standards

- FCC Part 68
- ETSI ES 203-021 (TBR21)
- ISED CS-03

#### Analog Port

- Connector: RJ11

#### FXS Mode

- Impedance: 600 ohms
- REN: 1.0
- Ring Cadence: 25 Hz

#### FXO Mode

- Impedance: 600 ohms
- Battery Source: 48 VDC +/- 5V
- Ringing Supply: 90Vp-p
- Ring Frequency: 16-65 Hz

#### Dip Switches

- SW1 Up = FXO Down = FXS
- SW2 Up = Normal Down = FXS Reversed
- SW3 Up = U-Law Down = A-Law
- SW4 not used
- SW5 - SW8 Country Code Select

#### Status LEDs

- Pwr: On = power is on
- FL: On = fiber link is up
- ACTC: On = Off-Hook, Blink = Ringing, Off = On-Hook

#### Dimensions

- Width: 3.25" [82 mm]
- Depth: 6.5" [165 mm]
- Height: 1.0" [25 mm]

#### Power Consumption

- 2.0 Watts without the SFP

#### Power Supply

- External AC/DC provided; 12 VDC, 1.25A Output
- Unregulated, UL Listed

#### Environment

- Operating: 0°C to 50°C
- Storage: -40°C to +85°C
- Humidity: 5% to 95% (non-condensing)
- Altitude: 0 – 10,000 ft.

#### Weight

- 2 lb. [0.9 kg]

#### Compliance

- Emissions: EN55032 Class A, FCC Part 15 Class A
- Immunity: EN55024
- Safety: CE Mark

#### Warranty

- Lifetime

### Features

- Audio transmission of voice grade signals
- Supports ringing at distant end
- Supports Caller ID
- Configurable worldwide country formats
- Must be deployed in pairs
  - ION chassis card and stand-alone unit
  - ION chassis card and ION chassis card
  - Stand-alone unit and stand-alone unit
- Single product configurable to either FXO mode or FXS mode
- Automatic Ring Down supported when both converters are configured to FXS Mode
- SFP based product
  - Uses Gigabit Ethernet SFP Modules
  - Lantronix offers a wide variety of SFP modules to support multimode or single-mode fiber, as well as dual or single strand fiber installations
- Supports in-band management of remote stand-alone unit when linked to a POTS slide-in-card installed in a managed ION chassis
- Electrical interface is provided through an RJ-11 female connector
- Only supports analog POTS lines
- Compatible with traditional telephone modems

### Ordering Information

Part Number	Description
S6310-3340	Stand-alone Media Converter Twisted Pair (RJ-11) (5 km/3.1 mi.) to (1) SFP Slot (empty) <i>Fiber Type, Optical Wavelength, Transmission Distance, and Link Budget all based on selected SFP module.</i> <i>Power Supply Included (see note below for country specific ordering information).</i> <i>Must be paired with another stand-alone S6310-3340 or a chassis-based C6310-3340.</i>

Accessories Number	Description
SFP Modules	S6310-3340 supports any standard 1000Mbps SFP modules
SPS-UA12DHT	Input: 90-264 VAC, 12VDC, 18 Watts output

#### Power Supply Included

To order the corresponding country specific power supply, add the extension from the list below to the end of the SKU; Ex: S6310-3340-NA

#### -NA = Country Code

- NA = North America
- LA = Latin America
- EU = Europe
- UK = United Kingdom
- SA = South Africa
- JP = Japan
- OZ = Australia
- BR = Brazil

### Contact Information

#### Americas

800.422.7055  
americas\_sales@lantronix.com  
www.lantronix.com  
NASDAQ: LTRX

#### Europe

+31 (0) 76.52.3.6.74 4  
eu\_sales@lantronix.com

#### Asia/Pacific

+852 3955.0218  
asiapacific\_sales@lantronix.com  
China: +86.21.6237.8868  
India: +91 994-551-2488