

POTS 2-Wire to Fiber Converters

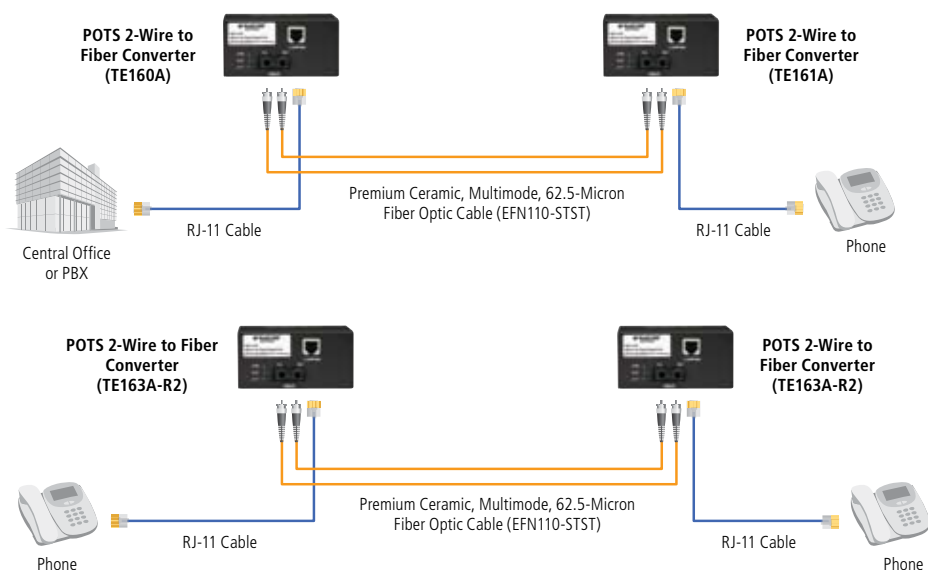
Connect your standard
analog phone system
with fiber.



FEATURES

- » Connect central office voice signals to distant “Plain Old Telephone” (POTS) equipment over fiber cables while using standard telephone signaling.
- » Support both FXS (connects to PBX) and FXO (connects to phone device).
- » Digitize voice calls and send data at greater distances without degradation. Plus no amplification required.
- » Ideal for areas with high interference.
- » Choose from multimode or single-mode fiber operations.
- » Include audio transmission, Caller ID, and automatic ringdown.
- » Lifetime warranty.

Link your standard analog phone system’s Central Office or PBX to an analog phone, or link two analog phones together, over fiber cable.



OVERVIEW

Sure, a lot of folks are moving to VoIP systems these days. But the fact is, many businesses still rely on an old analog phone system with a central PBX for trunking and switching voice calls. And what if you want to route calls from your proprietary circuit-switched system over secure, crystal-clear fiber cabling at farther distances? Then you need POTS 2-Wire to Fiber Converters.

Set up high-quality voice links without having to upgrade to a campus-wide, IP-based PBX system with IP phones connected to a network. They do this by inexpensively connecting basic analog phone services from 2-wire FXS copper lines to optical wiring. Easily link Central Office devices to distant POTS equipment while gaining all the advantages and bandwidth of fiber! They’re particularly great for areas where ground loops and EMI/RFI interference may be a problem.

NOTE: Must be used in pairs.



TE160A



Top: TE164A-R2: rear view;
bottom: TE165A-R2: rear view



TE162A-R2-R2

TECH SPECS

Distance (Maximum) —

Multimode: 3.1 mi. (4.9 km);
Single-mode: 12.4 mi. (19.9 km)

Input Power —

Multimode: -14.0 dBm;
Single-mode: -8.0 dBm

Link Budget —

Multimode: 11.0 dB;
Single-mode: 16.0 dB

RX Sensitivity —

Multimode: -31.0 dBm;
Single-mode: -30.0 dBm

TX Power —

Multimode: -19.0 dBm to -14.0 dBm;
Single-mode: -15.0 dBm to -8.0 dBm

CE Approval —

Yes

RoHS —

Yes

Connectors —

TE160A-TE161A: (1) RJ-11, (1) pair of ST®;

TE162A-R2-TE165A-R2: (1) RJ-11, (1) pair of SC

Indicators: (3) LEDs: Fiber link on/off, Active in use/ringing, Power on/off

Power —

Output: 12 VDC, 0.6 A from external power supply

Size —

1.9"H x 3.7"W x 4.8"D (4.8 x 9.4 x 12.2 cm)

Weight —

2 lb. (0.9 kg)

Item

Code

POTS 2-Wire to Fiber Converters

FXS to Multimode ST
FXO to Multimode ST
FXS to Multimode SC
FXO to Multimode SC
FXS to Single-Mode SC
FXO to Single-Mode SC

TE160A
TE161A
TE162A-R2
TE163A-R2
TE164A-R2
TE165A-R2

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognize any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.
- It's 9 p.m. and you need help, but your vendor's tech support line is closed.

According to a survey by *Data Communications* magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application. Don't waste time and money—call Black Box today.