"Quick-Talk"™
RS-232 Telephone Extender

Model TC1900

- Extend a Telephone Link with Async RS-232
- 19.2k, 38.4k, 48k Async Baud Rates
- PBX and Key System Compatible, FXO/FXS Selectable
- Voice Bandwidth from 300Hz to 3.4Khz for Toll Quality Sound
- Built-In Dry Contact Relay for External Alarm and Ringer Connection
- 12VDC Power Supply, Optional 24VDC, -48VDC, 125VDC or 115/230VAC with Power Adapter
- Built-In Power Redundancy
- Rackmount or Standalone
- Tested & Compatible with:

Code Blue · RAMTEL · TALK A PHONE Creating Communications Solutions®

TC1900S Standalone/Wallmount Unit

2 X TC1900 (Housed in TCRM195 19" Rackmount Card Cage)

The TC1900 "Quick-Talk" Telephone Extender can turn an RS-232 circuit into a voice network simply by plugging a telephone set into an RJ-11 connector. It is compatible with most 2-wire analog PBXs or Key Systems.

Quick-Talk is typically used to extend phone service to remote sites over an RS-232 circuit. For example, a user can extend a secured phone link to a remote site via an existing satellite or microwave RS-232 data connection.

Quick-Talk provides 2-wire FXS (foreign exchange subscriber) on the telephone side with ring down capability and FXO (foreign exchange office) on the PBX side. When both sides are set to FXS, a "hot link" can be established; when one side lifts up the handset, the other side starts ringing.

Available in standalone or rackmount versions. Diagnostic aids include 19 diagnostic LEDs for indicating power, ring, FXS, FXO, and audio activity. A local dry contact relay is also provided for external alarm and ringer connection.

Power is 12VDC, optional 24, 48, 125VDC or 115/230VAC with an external power cube. Power redundancy is standard. Electrical connectors are RJ-11 Female for both RS-232 and the telephone set. A local dry contact relay alarm is also provided.

TC COMMUNICATIONS®
FIBER OPTIC CONNECTIVITY

Applications

The TC1900 is often used to extend telephone service in campus networks, power plants, substations, etc or use an existing service data channel to set up a telephone link. It is also used to set up "hot" telephone service via existing RS-232 links on satellite or microwave networks.

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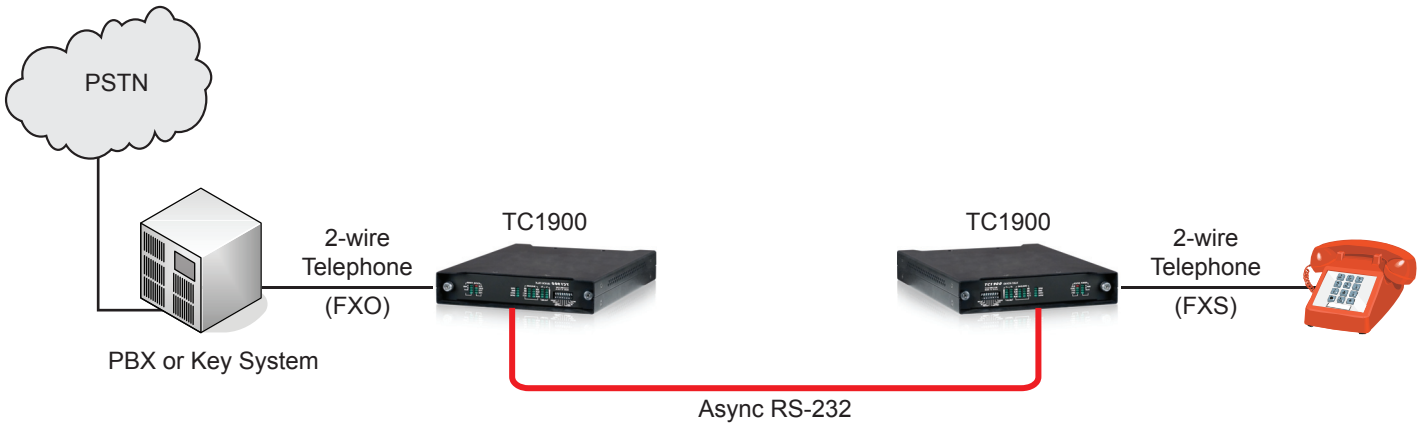
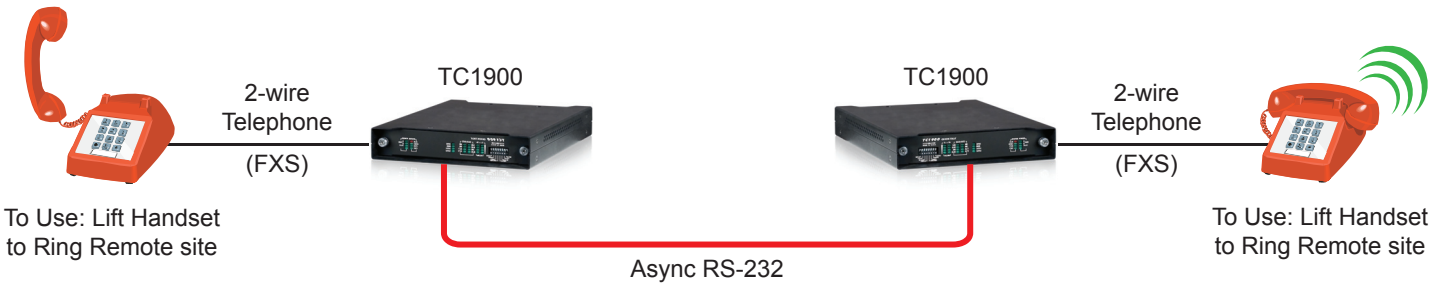


Typical Point-to-Point Application Using TC1900s to Extend Telephone via RS-232



Typical Application Using TC1900s to Establish a "Hot Link" via RS-232

Audio Bandwidth

.....300 Hz to 3.4 Khz

Electrical

Phone Connector .....RJ11 Female
Ring Voltage .....70Vrms at 20Hz
(Depending on the ringing load)
FXO Input Impedance .....600 Ω
FXS Output Impedance.....600 Ω
RS-232 Connector .....RJ11 Femle
Baud Rate.....19.2k, 32k, 38.4k, 48k
Future Release 56k, 57.6k, 64k

Visual Indicators

Tx and Rx volume, Local off-hook, Remote off-hook, FXO, FXS, Ring, Optic Rx, Electric Rx, VccA, VccB, PWR A, PWR B

Alarm

Dry Contact.....Normal OPEN

Power

Standard .....12VDC @400mA
Optional.....24VDC, -48VDC, 125VDC
.....or 115/230VAC with power cube

Temperature

Operating ..... -10°C to 50°C
Hi-Temp (optional)..... -20°C to 70°C
Extreme (optional)..... -40°C to 80°C
Storage..... -40°C to 90°C
Humidity.....95% non-condensing

Physical (Standalone Unit)

Height .....(3.53 cm) 1.4"
Width .....(18.14 cm) 7.2"
Depth .....(24.89 cm) 9.8"
Weight .....(907 gm) 2.0 lbs

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Certified System™
ISO 9001
QMI-SAI Global
#1045959

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Note: Information contained in this data sheet is subject to change without prior notice.