

# CALL DIRECTOR PRO & OUT-OF-BAND DIAL-UP GATEWAY

## OUT-OF-BAND NETWORK SWITCH, TELEPHONY FIREWALL, LINE SHARING DEVICE - 5 AND 9 PORT

The industrial grade Call Director Pro (CDP) reduces phone costs, improves connectivity, and secures your telecom and network equipment for a rock solid remote network support system. Line consolidation and call routing are the foundation of the CDP - automatically routing calls to phone, fax, or dial-up modems, ensuring that the right resource is reached the first time on just one phone line. Consistent connectivity prevents time-consuming dial-backs and streamlines polling and data acquisition processes for SCADA, POS, HVAC, and other M2M communications. Recover access to network equipment when in-band access is denied with the "back door" alternative utilizing a USR Call Director Pro and analog modem for inexpensive and secure out-of-band access. In addition to line sharing cost savings and precise routing, the CDP is engineered to provide an additional layer of security to connected devices and protect access to IT systems. Vulnerable pathways to equipment via the PSTN are protected by programmable Security Access Codes up to seven characters. There are over 35 million combinations to choose from, effectively creating a telephony firewall for dial-up connections. Adhere to strict IT security policies with separate, isolated access to remote telecom and network assets ideal for service vendors and IT administrators needing an extra layer of security.

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### Industrial Grade Line Sharing Device for Remote Network Support



The CDP line management system allows sharing of a single telephone line with up to nine telephony devices, eliminating costly phone lines and saving up to \$400/month per site. Businesses with multiple remote sites can realize a significant ROI in 3 months or less. Protect access to your information systems with reliable, secure, and redundant communication paths.

#### Standard Features

- Automatic Fax Detection
- DSL Compatible
- Bell Spec Ring-Back Tones
- Dual Surge Protection
- No Software to Install
- Mounting Bracket Included

#### Hacker Shield Protection

- Programmable Security Access Codes, up to 7 digits per port, protects connected devices from unauthorized access for a robust telephony firewall.

#### Caller ID "Store & Forward"

- CID is sent to device on first ring.

#### Multiple Line Seizure Ports

- Up to four device ports can now be designated for emergency line seizure for critical applications.

#### Simplified Installation

- All line-in and device jacks are RJ11. No additional connectors are required.

#### LED Status Display

- Seven segment display shows port in use & programming value read-back. Audible read-back tones are also provided for remote programming.

#### Data Disruption Protection

- Prevents active calls from interruption by another device.

#### Remote Programming

- Call Director Pros can be securely programmed by a remote administrator.

### Benefits

- Reduces or eliminates costly dedicated phone lines for fast ROI
- Secures dial-up modems from unauthorized access
- Automatically directs calls to phone, fax, or dial-up modems
- Shares 5 or 9 telephony devices with one phone line
- Streamlines polling and data acquisition
- Provides barge-in capability for priority outbound calls

### Applications

- Out-of-Band Network Access
- Telephony Firewall
- Utility Meter Reading
- Remote Site Management
- HVAC Control Monitoring
- Substation Communications
- Point of Sale System Integration
- Modem Polling
- Fuel Tank Monitoring
- Service Port Access
- SCADA Interrogation
- 1st Line Network Support

The CDP Dial-up Gateway installs on an analog phone line and answers inbound calls at the first sign of ring voltage. After the CDP Dial-up Gateway goes off-hook, it immediately screens for fax and security access codes (SAC). During this processing period, a Bell spec “ring-back” tone is issued to the calling party. Once a SAC command is received, the call is routed to the corresponding port. In the absence of fax/ access codes, the call is defaulted to device port #1. Outbound calls are processed in the normal fashion with barge-in protection. The emergency barge-in (EBI) feature allows up to four user designated device ports to seize the phone line for critical outbound calls.



## USR4005, USR4009 CALL DIRECTOR PRO OUT-OF-BAND DIAL-UP GATEWAY



### SPECIFICATIONS & STANDARDS

#### INPUT POWER REQUIREMENTS

- At AC Transformer: 110-240 Volts AC, 50-60 Hz
- At Power Jack on Call Director: 12-15 Volts DC (Center pin positive); Grounded power supply recommended

#### POWER CONSUMPTION

- Active: 4 Watts @ 12 VDC
- Standby: 2.5 Watts @ 12 VDC

#### CALL OPERATOR INTERFACE

- Ringer Equivalence Number: 1.1B
- Input Ring Detection: 50-150 Volts AC, 15-68 Hz

#### DEVICE INTERFACE

- Battery: 38 Volts Nominal DC to all ports
- Off-Hook Detection: 8-150 mA
- Ring Generator Frequency: 33 Hz

#### WAVEFORM

- Sinusoidal
- Ringing No Load: Approximately Approx. 105 Volts AC\*
- Ringing 8K Ohm Imp. (REN1.0): Approx. 90 Volts AC\*
- Ringing 4K Ohm Imp. (REN2.0): Approx. 78 Volts AC\*
- Ringing 2.7K Ohm Imp. (REN3.0): Approx. 68 Volts AC\*

#### PHYSICAL

- USR4005: 6 RJ-11 Ports (Line In, Device Ports 1 - 5)
- USR4009: 10 RJ-11 Ports (Line In, Device Ports 1 - 9)
- Power Supply: 12 VDC 1.5 A
- LED 7 Segment Display

#### ENVIRONMENTAL

- **Temperature conditions:** Operating: 0 to 40° C, Non-Operating: -20 to 70° C
- **Humidity operational:** 10%-95% non-condensing

\*Values are with 12 VDC input. Values increase with 14/15 VDC input

#### REGULATORY & APPROVALS

- FCC (Part 15 Class B/Part 68)
- RoHS Compliant

#### ENCLOSURE TYPE

- Plastic

#### MOUNTING

- 8.5" Aluminum bracket w/ 2 screws (0.9 oz)

#### PACKAGE DIMENSIONS/WEIGHT

- 13.75 x 7 x 2.5 in. (34.9 x 17.78 x 6.35 cm)
- USR4005: 2.20 lb (.99 kg)
- USR4009: 2.25 lb (1.02 kg)

#### PRODUCT DIMENSIONS/WEIGHT

- 6.3 x 9.5 x 1.4 in. (16.0 x 24.13 x 3.5 cm)
- USR4005: 1.40 lb (.63 kg)
- USR4009: 1.46 lb (.66 kg)

#### PACKAGE CONTENTS

- Call Director Pro Out-of-Band Dial-up Gateway and Telephony Firewall
- AC Power Supply (6 ft/1.8 m)
- Mounting Bracket
- RJ-11 Telephone Cable
- Quick Start Guide/User Guide

#### PRODUCT NUMBERS

- USR4005- 5 Port
- USR4009- 9 Port

#### WARRANTY

- Two-year limited manufacturer warranty from date of purchase

For connection to the Public Switched Telephone Network (PSTN)

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