

# Polnet® ACP

## Automatic Call Processor



### Benefits

- Saves money by eliminating costly dedicated phone lines
- Secures dial-up modems from hacker exposure
- Automatically directs calls to phone, fax, or dial-up modems
- Shares 3, 5, or 9 analog phone devices with one phone line

### Applications

Out-of-Band Network Access  
Telephony Firewall  
Utility Meter Reading  
HVAC Control Monitoring  
Substation Communications  
Traffic Control Management  
Point-of-Sale System Integration  
Modem Polling  
Fuel Tank Monitoring  
Service Port Access  
SCADA Interrogation  
Remote Kiosk Administration

### Product Overview

Reduce phone costs, improve connectivity, and secure your telecom equipment with Multi-Link's industrial grade phone line sharing device, the Polnet® ACP.

The Polnet ACP enables businesses to communicate with remote telecom and network assets more affordably, efficiently, and securely.

The Polnet ACP (ACP) allows up to nine telephony devices to share a single telephone line, 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.

The ACP automatically routes calls to phone, fax, or dial-up modems, ensuring that the right resource is reached the first time. This consistent connectivity prevents time consuming dial-backs and helps to streamline polling and data acquisition processes.

In addition to cost savings and precise routing, the ACP is engineered to provide an additional layer of security to connected devices. 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.

### Features

**AUTOMATIC FAX DETECTION**  
Pre-programmed to auto route fax calls to fax or fax modem.

**DATA DISRUPTION PROTECTION**  
Prevents active calls from interruption by another device.

**PRIORITY CALL LINE SEIZURE**  
Call over-ride for critical outbound transmissions.

**MANUAL TRANSFER CAPABILITY**  
Transfer a call to any device port by touch tones.

**PROGRAMMABLE SECURITY ACCESS CODES**  
User defined transfer codes, up to 7-digits per port, restricts inbound access to equipment.

**BELL SPEC RING-BACK TONES**  
The ACP transmits a "ring-back" that sounds just like the phone company's.

**PROTOCOL TRANSPARENT**  
Invisible to data transmissions.

**DUAL SURGE PROTECTION**  
Phone line and AC input.

**REMOTE PROGRAMMING**



## How does the Polnet ACP work?

The ACP installs on an analog phone line and answers inbound calls at the first sign of ring voltage. After the ACP goes off-hook, it immediately screens for fax and DTMF transfer codes. During this processing period, a "ring back" tone is issued to the calling party. Once a transfer command is received, the call is routed to the corresponding port. In the absence of fax/transfer codes, the call is defaulted to device port #1. Outbound calls are processed in the normal fashion with barge-in protection. Priority call over-ride can allow a device on port #1 to interrupt any transmission for critical outbound calls.

## Ask our technicians

Our staff of technicians is available to answer any questions you may have about programming or installation. We can even test and program your unit over the phone! We are available before and after the sale to ensure your satisfaction and optimal performance for your application.

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## POLNET ACP TECHNICAL SPECIFICATIONS

Model Number	ACP-3; ACP-5; ACP-9	<i>Device Interface</i>	
<i>Input Power Requirements</i>		Battery:	45 Volts DC to all ports
At AC Transformer:	110-125 Volts AC only, 50-60 Hz	Off-Hook Detection:	8-150 mA
At Power Jack on ACP:	12-15 Volts AC	Ring Generator Frequency:	33 Hz
<i>Power Consumption:</i>	10 Watts	Waveform:	Pseudo-Sine
<i>Power Consumption at standby:</i>	8 Watts	Ring No Load:	Approximately 105 Volts AC
<i>CO Interface</i>		Ring No Load 8K Ohm Imp. (REN1.0):	Approx 76 Volts AC
Ringer Equivalence Number:	1.1B	Ring No Load 4K Ohm Imp. (REN2.0):	Approx 59 Volts AC
Input Ring Detection:	40-150 Volts AC, 15-68 Hz	Ring No Load 2.7K Ohm Imp. (REN3.0):	Approx 45 Volts AC
Physical:	6.3" W x 9.5" D x 1.4" H, 1 lb	Warranty	2 year limited

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