# PIMA

# SAR-100 - Stand-alone Smart Repeater

SAR-100 is Pima's advanced & sophisticated Stand-alone Repeater specially designed to expand the radio coverage of Central Monitoring Stations (CMS). The SAR-100 is capable of relaying radio reports from thousands of intruder alarm systems to Pima's Sentry CMS decoder. The Repeater is mounted in a robust waterproof metal case for easy, quick and secure installation. It can hold an optional cellular modem and/or radio transceiver.

## Primary Benefits:

• The incoming radio channels can be relayed to one or several of the following 4 onward communication channels: Radio, Ethernet, PSTN and Cellular

• Full Data-event capability by using PAF and PID Pima protocols

• Up to 8 SAR-100 repeaters can be installed in star topology or infinity in chain

• Event log storage and display in case of disruption of communication until renewal of link with CMS

• Self supervision reports to the Central Monitoring Station: AC fault, low battery and overheating

• Bi-directional communication with CMS in all channels - ensures reliable reporting

• Optional backup of any of the communication channels

• Remote firmware and software update

• Full remote desktop control

## Technical specifications:

• Supports common radio formats like PAF, NPAF, PID, Milcol-D, Intrac-2000 as well as ContactID, 4x2 and SIA phone protocols.

• Housing protected by Tamper switch - monitored by the Central Monitoring Station

• 2 monitored zone inputs for intrusion alarm of Repeater location

• AC mains and lightening protection

• Power input: 88VAC/176VAC~132VAC/264VAC

• Power consumption: 50W when idle; 150W when transmitting

• Antenna interface: N-type, female

• Network interface: 10/100MB Ethernet, TCP/IP, UDP

• Operating temperature: -10° to +40° C

• Measurements & weight: W 40 x L 20 x H 60 cm; 17 kg