

Emizon IP: Information for IT Managers and Network Administrators

Description

Emizon IP is the secure, dual path alarm signalling and CCTV monitoring service designed for IP networks. Emizon IP ensures an 'always on' connection between the TCD (Telemetry communications Device) and the 24 hour response centre – ensuring that all alarms always get through. For double protection the TCD uses two means of communication: it connects into the customer's existing broadband/IP network for the primary and wired communication path, it also connects to the GPRS network for the wireless, secondary path. For sites with no broadband access the TCD can also be connected to the phone line and GPRS network.

Connectivity

The TCD uses **outbound TCP/IP connections only**, in the IP destination port range 18000 through to 18049¹, via the landline IP (Ethernet) and the GPRS IP networks. The TCD does not accept inbound connections and does not require any inbound IP ports to be opened on a customer firewall / router. GPRS connectivity is established via a private network connection (APN), and no internet connectivity is possible via GPRS in the TCD. No connectivity exists between the GPRS IP and landline IP networks in the TCD and no IP bridging is permitted between the networks in the TCD. The TCD also contains an internal firewall to isolate the the TCD from any unauthorised connections or IP traffic.

Specification

Data traffic	<ul style="list-style-type: none"> • 140 Bytes per poll • 20 Mbytes or less per month
Firewalls	<ul style="list-style-type: none"> • The TCD does not interfere with network firewall operation or settings.
IP Address	<ul style="list-style-type: none"> • As supplied the TCD is DHCP enabled. The TCD can also operate using a static IP address. Where a static IP address is required, this can be registered in the TCD using the GPRS path.
Ports	<ul style="list-style-type: none"> • Ports 17000 to 17049 (Castle TCDs) and 18000 to 18049 (TCDs from all other manufacturers) open to outbound TCP/IP connections. • The TCD does not require any inbound IP ports to be opened.
Security	<ul style="list-style-type: none"> • The TCD does not interfere with the customer's security settings or operations.
Power consumption	<ul style="list-style-type: none"> • Power Supply Requirements 12 vdc (ripple < 200mV) • Normal operation 150mA-180mA (depending on signal strength) 350ma max
Network performance	<ul style="list-style-type: none"> • The TCD does not interfere with broadband or network performance.

¹ The Castle MSX and SmartCom TCD use ports 17000-17049; all other TCDs use ports 18000-18049.

For more information contact Emizon on 0844 412 9009 or visit: www.emizon.com