

SmartCom IP TCD

Universal IP Communication



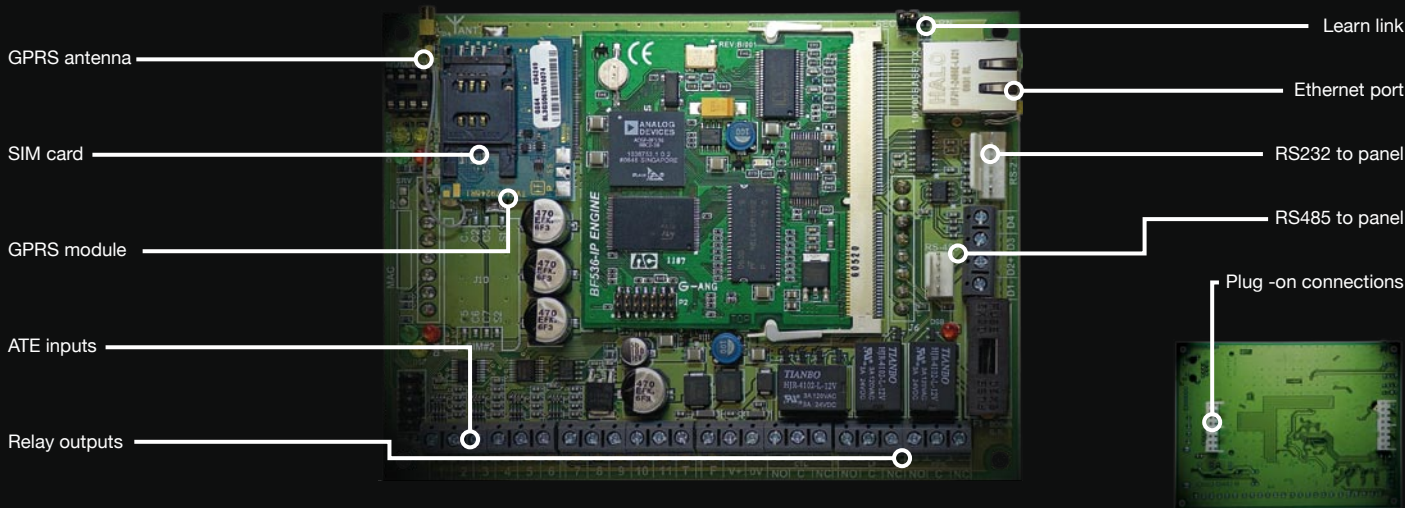
EN 50131-1
Security Grade 4
Signalling Grade 4

EMIZON 21
ENABLED

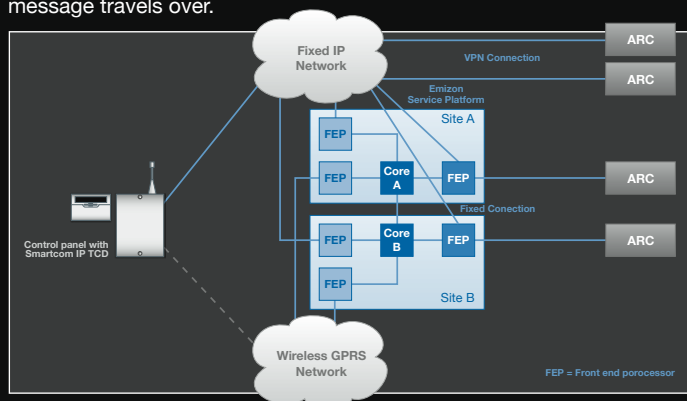
SmartCom IP TCD is the latest innovation from Castle Care-Tech, a leading UK designer of award winning control panels. This universal stand-alone IP module or TCD (Telemetry Communications Device), using the Emizon 21 service enables IP communication with most manufacturer's control panels. It is ideal for retro-fits as a replacement to your existing communications device.



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The service. Emizon 21 is the first secure, managed messaging service designed specifically for IP networks. This service manages the end-to-end message delivery between the alarm panel and the Alarm Receiving Centre (ARC). Unlike other services, Emizon 21 actively secures the message delivery, rather than the various paths that the message travels over.



Secure. The Emizon 21 service not only maintains, but often increases the security standards associated with traditional dual path signalling services and is EN 50131-1 Grade 4 signalling compliant. Dual Path signalling is achieved by using IP as the primary path and GPRS communication as the secondary path.

Simple to use. To achieve IP communication you have the option to either hard wire SmartCom IP TCD using the ATE outputs on your panel or simply plug SmartCom onto the STU footprint of your panel. Installation is simple with no programming or on-site configuration involved. The module is not site specific and works with broadband from any service provider giving you and your customer the ultimate in flexibility.

Cost effective. There is no connection charge, your customer can use their existing line and they will not incur call charges on either signalling path. SmartCom enables you to offer your customers greater functionality and enhanced security with great cost effectiveness.

Support. Comprehensive back up support is available through our own technical helpline operating from 7am – 7.30 pm Monday to Friday. Additionally, the Emizon 21 helpline is supported 24/7.

By using SmartCom, it means that you and your customers can benefit from advances in technology, be ready for BT's 21 CN roll out and at the same time, maintain the highest security standards to face the challenges of the 21st Century. It is the secure, cost effective and easy to use IP solution.

General

Control Panel Compatibility	All Panels with ATE Outputs
Alarm inputs	11 plus tamper and AC Fail
Relay outputs	3
Control Panel Connections	RS232 and RS485
Status LED indications	8
Remote signalling	Fast Format IP
Dual path option	Yes, GPRS
Quad-band GPRS Transceiver	GSM850/900/1800/1900
Line fail notification on primary path	Yes
Line fail notification on secondary path	Yes
Low battery monitor	Yes

Electrical

Quiescent Current Consumption	<100mA
Transmitting Current Consumption	<450mA

Compliance

Security Grading	PD 6662, EN 50131-1 Grade 4, ATS 5 for both primary and secondary paths. Form 175 compliant.
Environmental Class	2
DD 243	Compliant

Physical

Dimensions	168mm x 114mm x 35mm
Antenna	Supplied
SIM card and GPRS contract bundle	Yes, at no additional cost
Warranty	18 months

IP. Internet Protocol is the method used to exchange data between two computers or other systems (in this case the alarm system and the ARC) via the internet. SmartCom uses IP via a DSL (broadband) connection as its primary (fixed) path.

GPRS. General Packet Radio Service is a standard for wireless communications which runs at a faster speed than GSM. It is ideal for sending and receiving small bursts of data, as well as larger volumes. SmartCom uses Vodafone's GPRS network as its secondary communication path.

For further information, visit www.castle-caretech.com