

[PRODUCT SHEET]

Products:	ipTNA and Euro-ipTNA
Platform:	AlarmLink based on Ascom openTAS
Segment:	PublicSafety
Division:	Security Communication



ipTNA and Euro-ipTNA END-USER TERMINALS FOR RELIABLE REMOTE ALARMING VIA THE INTERNET

The ipTNA and Euro-ipTNA supervised premises transceiver (SPT) are used in telecontrol and alarming to input and output messages. A serial interface is used for data traffic with a primary system.

RELIABLE COMMUNICATIONS VIA OPEN NETWORKS

ipTNA and **Euro-ipTNA** reliably transmits alarm states from security systems or fault messages from technical installations via TCP/IP to public alarm receiving centres.

The encrypted data connections via the alternative communication paths (ETHERNET and GPRS) are regularly monitored using 'alive checks'.

As a result interruptions and even sabotage are detected early on.

MAIN FUNCTIONS:

- Acquisition, processing and remote transmission of input signals
- Data flow control and monitoring
- Receiving and transmitting of remote control commands
- Monitoring of all functions and connection channels with indication of any deviations

SPECIAL FEATURES:

- Both SPTs do not require static IP address
- Easy commissioning and device configuration using the 'Plug & Play' concept
- Redundant remote transmission using two independent communication paths
- Data integrity via public networks through authentication and strong encryption
- Remote update of terminal software available

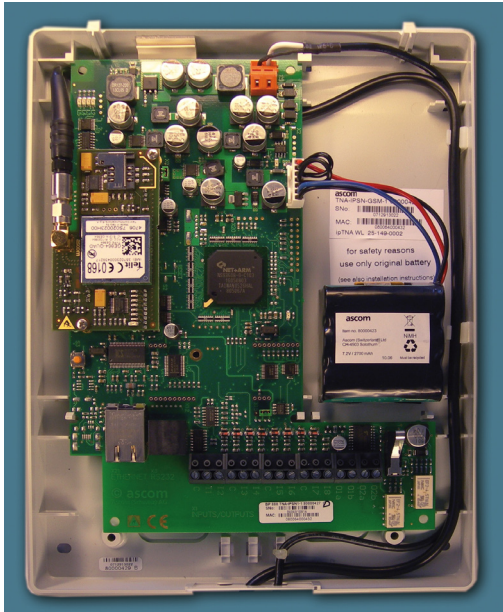
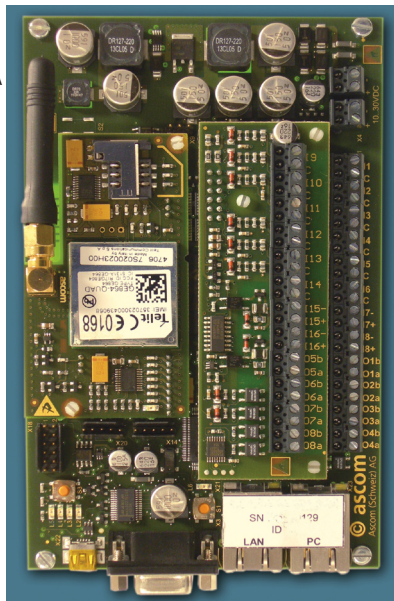


Figure above: ipTNA as integrated device
Figure right: EURO-ipTNA for installation



AREAS OF APPLICATION FOR THE TWO END-USER TERMINALS

With its Ethernet interface the SPTs offer a wide range of application possibilities for the remote transmission of event messages. If in-house data networks (LAN, WAN, intranet) are already in place, you can utilise those networks for your own alarm state and fault message transmission. Likewise, with the implemented security measures, the public internet can be used as a data platform for message transmission.

ipTNA and Euro-ipTNA are used for reporting events for:

- Intrusion alarm
- Robbery/hold-up alarm
- Fire alarm (Euro-ipTNA certified according to EN 54-21)
- Water alarm
- Fault alarm for building services installations
- Measuring stations

DIFFERENCE BETWEEN IPTNA AND EURO-IPTNA

The Euro-ipTNA is a further development of the existing tried-and-tested ipTNA.

The main difference is the printed circuit board in standard European size, the integrated LAN switch and the expansion possibilities for inputs and outputs.

COMPLIANCE WITH STANDARDS AND REGULATIONS

ISO 9001/EN 29001:	SQS Certificate
EN 60950:	Safety of Information Technology Equipment
EN 55022:	Class B: EMC emissions
EN 50130-4:	Electromagnetic compatibility
EN 50136-1,-2:	Requirements for alarm transmission systems compliance with classes: D4/M4/T6/A4/S2a/I3
RoHS/WEEE:	Compliance with RoHS and WEEE Directives

EC-CERTIFICATION OF CONFORMITY

EN 54-21	Euro-ipTNA, EC-Certificate issued
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Technical data	ipTNA	Euro-ipTNA
Temperature range	-10 ... +55 °C (CENELEC indoor in general)	-10 ... +55 °C (CENELEC indoor in general)
Connection technology	<ul style="list-style-type: none"> ▪ Network: RJ45 socket, screened ▪ Parallel inputs/outputs: screw terminals, pluggable ▪ Serial channel: RJ45 socket ▪ Power supply: clip terminal ▪ USB: Mini-A (socket) ▪ GSM antenna extension (optional): SMA socket 	<ul style="list-style-type: none"> ▪ Network: 2 x RJ45 sockets, screened ▪ Parallel inputs/outputs: screw terminals, pluggable ▪ Serial channel: 9-pin sub D socket ▪ Power supply: screw terminals, pluggable ▪ USB: Mini-A (socket) ▪ GSM antenna socket (optional): SMA socket
Housing	Plastic for wall mounting; fire category V0; Dimensions: 190x255x45mm (WxHxD); class of protection IP 30	Optional plastic housing
Printed circuit board	Inside the housing Dimensions: 155x212x29mm (WxHxD)	Standard European size for installation in emergency management systems Dimensions: 100x160x29mm (WxHxD)
Network connection	Ethernet 10/100Base-T (Twisted pair cable)	Integrated switch with 2 ports Ethernet 10/100 Base-T (Twisted pair cable)
Digital inputs	8 with current loop monitoring, with configurable signal integration to fault suppression	8 digital inputs on motherboard, with signal integration. Usable as: <ul style="list-style-type: none"> ▪ inputs with current loop monitoring ▪ inputs with switching voltage (< 15 VDC)
Digital outputs	2 bistable relays in accordance with V.31 up to max. switching current 1A; max. switching voltage 30 VDC (SELV); isolating voltage 500 Veff	4 digital outputs on motherboard: bistable relays in accordance with V.31 up to max. switching current 0.5 A; max. switching voltage 60 VDC (SELV); isolating voltage 500 Veff
Serial interface	<ul style="list-style-type: none"> ▪ RS232 with rates of 1200, 2400, 9600 bps, full duplex ▪ Max. length user data blocks 256 Bytes ▪ Without electrical isolation ▪ Protocol TSS 14 or TSS 14 with TSS17 header ▪ PAD profiles: 2000, 2400, 2401, 2600, 2800 	RS232 with rates of 1200, 2400, 9600 bps, full duplex <ul style="list-style-type: none"> ▪ Max. length user data blocks 256 Bytes ▪ Without electrical isolation ▪ Protocol TSS 14 or TSS 14 with TSS17 header ▪ PAD profiles: 2000, 2400, 2401, 2600, 2800
Power Supply	DC 10...30V, typical 160mA@12VDC	Double power supply socket, decoupled and individually monitored DC 10...36V, typical 170 mA@12 VDC
USB interface	USB Host v.2.0	USB 2.0 (Host or device)
GSM module (optional)	Dual band 900/1800 MHz GSM/GPRS Class 10	Quad band 850/800/1800/1900MHz GSM/GPRS class 10
Expansion module with 8 additional digital inputs and 4 additional digital outputs (optional)		<ul style="list-style-type: none"> ▪ 6 additional inputs with current loop monitoring ▪ 2 additional galvanic isolated inputs ▪ 4 OptoMOS relay, max. switching current 80 mA; max. switching voltage 60VDC (SELV); ▪ isolating voltage 500 Veff
Battery (optional)	NiMH 2700mAh or 4500 mAh für autonomy > 30 hrs	
Modem socket	Socket for analogue modem (PSTN) or Terminal Adapter (ISDN)	

ipTNA and Euro-ipTNA guarantees secure and reliable remote alarming via the internet.

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