TRIKDIS

FireCom

Empower Your Fire Security

CERTIFIED EN54

FIRE COMMUNICATOR

Your Solution for Reliable Fire Communication

As a security company or installer, you understand the critical importance of fire communication. Don't compromise on reliability and performance. FireCom, the ultimate fire communicator that ensures seamless and secure fire reporting to monitoring centers. With its cutting-edge features and robust design, FireCom is the trusted choice for security professionals who demand the best. Secure your world with FireCom today.

Support for CID and SIA DC09 Reporting

FireCom provides flexible reporting options, allowing you to choose the method that best fits your monitoring center requirements.

Compact Design with Multiple Enclosure Options

FireCom comes in small plastic enclosure for easy integration into fire panels, as well as medium plastic or metal enclosure options with additional power supply, battery, and expansion card for added versatility.

Wide Power Input Range and Backup Battery Charger

FireCom can be powered from 24V fire panels or external power supply (15-32V DC) and includes a backup battery charger for uninterrupted operation.

LTE or LTE-M Connectivity with 2 SIM Card Holders

FireCom offers reliable and secure connectivity options with LTE or LTE-M, and the convenience of 2 SIM card holder for easy setup.

Onboard Temperature Sensor and Watchdog Timer

FireCom features built-in temperature sensing and watchdog timer for enhanced performance and reliability.

Expandable Input/Output Options

The FireCom system can be easily expanded by adding extra modules that connect to RS485, allowing for additional inputs (zones). This flexibility caters to various installation requirements.

Indication and Control

FireCom includes onboard buzzer, LED indicators for system status, connector for LCD board for advanced status indication, reset and silence button.

Messages to the security company

- Sends events via the built-in LAN module or cellular 4G modem.
- Events are sent via available communication channels with the selected priority.
- Any CMS can receive reports, as long as they have TRIKDIS software/IP receiver or any other manufacturer's IP receiver supporting SIA DC-09 IP protocol.
- Prioritizing the transmission of events to the CMS: messages are first transmitted to the CMS and only then to ***Protegus 2***.
- Possibility to send event reports to CMS of two different security companies.
- Event messages are sent in Contact ID or SIA codes.

Messages to users

- Calls selected phone numbers (up to 8 users).
- Sends SMS messages about events.
- Push and special sound event notifications using the ***Protegus 2*** application.
- Remote temperature monitoring.

Remote control of outputs

- Via ***Protegus 2*** app.
- By calling the device's phone number.
- Via SMS messages.

Settings and installation

- Quick and easy installation.
- Device configuration either using an USB cable or remotely using ***TrikdisConfig*** software.
- Remote updating of firmware.
- Two access levels (types of accounts) for setting parameters: for the installer and for the administrator.

Inputs and outputs

- 3 relay outputs (1 A, 30V DC).
- Input "FLOOP" is intended for connection of two-wire fire detectors.
- 10 I/O terminals, each of which can be set as an input (IN) or output (OUT) terminal. Selectable Input (IN) types: NC, NO, EOL, EOL-T, ATZ, ATZ-T. Resistors of different ratings can be used in EOL and ATZ circuits.
- With ***iO*** expander modules, the number of IN inputs can be expanded up to 32 units, and the number of OUT outputs can be expanded up to 16 units.
- RS485 bus is used to connect ***iO*** series expander modules.

Parameter	Description
LTE modem frequencies: EU (Europe) LA (Latin America)	 LTE-FDD: B1/B3/B5/B7/B8/B20/B28 LTE-FDD: B2/B3/B4/B5/B7/B8/B28/B66
Power supply voltage	15-32 V DC, 2.5A
Current consumption	Up to 50 mA (stand-by). Up to 300 mA (transmitting). Up to 2.5 A (after connecting the maximum possible load with external devices).
Backup power source [BAT]	12 V lead – acid battery, 4 Ah/7 Ah
Battery charge current	Up to 500 mA
Power voltage and current for external devices [AUX]	12 V DC, up to 1 A
Transmission protocol	TRK, SIA DC-09_2007, SIA DC-09_2012, SIA DC-09_IPcom, TL150
Encryption key	6 symbol encryption key.
Connection to CMS	TCP/IP or UDP/IP
Event codes	Contact ID, SIA codes.
LAN module	Yes, built-in
LAN network configuration type	DHCP or manual
SIM card	2, NANO size
Report transmission directions	-To main and backup receivers of 2 different security companies; -To Protegus 2 cloud, to iOS/Android Protegus 2 mobile apps; -To 8 mobile phones via SMS messages. -Calls 8 mobile phones.
Event reporting transmission channels	4G, Ethernet (LAN), SMS, call
Message encryption	Yes
Internal clock	Yes
User	40
Dual purpose terminals [I/O]	10; IN or OUT function selected during programming. When IN is selected, available types: NC, NO, EOL, EOL_T, ATZ, ATZ_T. When OUT is selected, the terminal becomes open collector (OC) type with up to 100 mA current
No. of groups	8
No. of zones	10 (20 zones if using ATZ), (can be expanded to 32 zones using expanders)
No. of PGM outputs	3 relay (1 A, 30V DC). (can be 13 if IO terminals are set as outputs. Can be expanded to 16 outputs with expanders)
Buffer memory capacity	60 events
Events log memory	Up to 1000 events. Oldest entries deleted automatically.
Configuration	Remotely using TrikdisConfig software or locally using USB Type-C. Remotely using SMS messages.
1-Wire data bus length [1 WIRE]	Up to 30 m
Compatible temperature sensors	Maxim«/Dallas« DS18S20, DS18B20; AM2301 series
Max. number of temperature sensors connected to 1-Wire data bus	8 (Dallas) or 1 (if an AM2301 series sensor is used)
RS485 bus	2
RS485 bus length	Up to 100 m
Supported modules	iO-8 – expander module; iO-MO – iO-WL radio wave transceiver; iO-LORA – expander module; iO8-LORA – expander module; PB-LORA – panic button; REL-LORA – expander module.
Operating environment	Temperature from -10 C to +50 C, relative air humidity – up to 80% at +20 C.
Dimensions	139 x 78 x 20 mm
Weight	1.19 kg