

# E16



## ETHERNET COMMUNICATOR



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### Full event information

Communicator transmits full event information to the Central Monitoring Station.



### Panel integration

Connects to supported panel's serial or keypad bus. This allows the communicator to read and retransmit panel events in less than 1 second.



### Stable connection

Ethernet connection delivers a consistently solid connection, lower latency. Ethernet is more reliable in terms of interference.



### Works with Protegus 2 app

Users can arm/disarm their alarm system remotely and receive notifications about events.

**E16 is not just an Ethernet transmitter that sends messages to compatible security systems. It also transmits the command received over the internet to the system to arm/disarm protection mode.**

#### **Sends events to monitoring station receiver:**

- Sends events to TRIKDIS software or hardware receivers that work with any monitoring software.
- Can send event messages to SIA DC-09 receivers.
- Frequent connection checks/control in order to quickly detect connection loss.
- Backup channel, that will be used if connection with the primary channel is lost.
- With parallel communication channels events can be sent to two receivers at same time.
- When Protegus service is enabled, events are first delivered to CMS, and only then are sent to app users.

#### **Works with Protegus 2 app:**

- “Push” and special sound notifications informing about events.
- Remote system Arm/Disarm.
- Remote control of connected devices (lights, gates, ventilation systems, heating, sprinklers, etc.).
- Different user rights for administrator, installer and user.

#### **Notifies users:**

- Users can be notified about events with Protegus app.

#### **Controllable outputs and inputs:**

- 3 double I/O terminals that can be set either as input (IN) or controllable output (OUT) terminals.
- Outputs controlled by the Protegus app.
- Add additional inputs and controllable outputs with wired and wireless iO expanders.

#### **Quick setup:**

- Settings can be saved to file and quickly written to other communicators.
- Two access levels for configuring the device for CMS administrator and for installer.
- Remote configuration and firmware updates.

## **Specifications:**

|                                 |                                                                                                                                                                                                       |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dual purpose terminals [IN/OUT] | 3, can be set as either NC; NO; NC/EOL; NO/EOL; NC/DEOL; NO/DEOL (2,2 kΩ) type inputs or open collector (OC) type outputs with current up to 0,15 A, 30 VDC max. Expandable with iO series expanders. |
| Power supply voltage            | 10-18 V DC                                                                                                                                                                                            |
| Current consumption             | 100 mA (on standby) Up to 250 mA (while sending data)                                                                                                                                                 |
| Ethernet connection             | IEEE802.3, 10 Base-T, RJ45 socket                                                                                                                                                                     |
| Transmission protocols          | TRK, DC-09_2007, DC 09_2012                                                                                                                                                                           |
| Memory                          | Up to 60 messages                                                                                                                                                                                     |
| Message encryption              | AES 128                                                                                                                                                                                               |
| Changing settings               | With TrikdirConfig computer program remotely or locally via USB Mini-B port                                                                                                                           |
| Operating environment           | Temperature from -10 °C to 50 °C, relative humidity - up to 80% at +20 °C                                                                                                                             |
| Communicator dimensions         | 88 x 62 x 26 mm                                                                                                                                                                                       |
| Weight                          | 80 g                                                                                                                                                                                                  |

## **Supported intrusion alarm panels:**

| Manufacturer    | Model                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DSC®            | <b>PC585</b> , PC1404, <b>PC1565</b> , <b>PC1616</b> , <b>PC1832</b> , <b>PC1864</b> , PC5015, PC5020                                                                                                                                                                                                                                                                     |
| PARADOX®        | <b>SPECTRA SP4000</b> , <b>SP5500</b> , <b>SP6000</b> , <b>SP7000</b> , <b>SP65</b> , <b>SP5500+</b> , <b>SP6000+</b> , <b>SP7000+</b><br><b>MAGELLAN MG5000</b> , <b>MG5050</b> , <b>MG5050E</b> , <b>MG5075</b> , <b>MG5050+</b><br><b>DIGIPLEX EVO48</b> , <b>EVO192</b> , <b>EVOHD</b> , NE96, <b>EVO96</b><br>SPECTRA 1727, 1728, 1738<br>ESPRIT E55, 728ULT, 738ULT |
| UTC Interlogix® | <b>NetworX (Caddx) NX-4v2</b> , <b>NX-6v2</b> , <b>NX-8v2</b> , <b>NX-8e</b>                                                                                                                                                                                                                                                                                              |
| Texecom®        | <b>Premier 24</b> , <b>48</b> , <b>88</b> , <b>168</b><br><b>Premier Elite 12</b> , <b>24</b> , <b>48</b> , <b>64</b> , <b>88</b> , <b>168</b>                                                                                                                                                                                                                            |
| Pyronix®        | MATRIX 424, MATRIX 832, MATRIX 832+, MATRIX 6, MATRIX 816                                                                                                                                                                                                                                                                                                                 |
| Innerrange®     | Inception                                                                                                                                                                                                                                                                                                                                                                 |
| Honeywell®      | <b>Ademco Vista-15</b> , <b>Ademco Vista-20</b> , <b>Ademco Vista-48</b>                                                                                                                                                                                                                                                                                                  |
| Crow®           | Runner 4/8, 8/16                                                                                                                                                                                                                                                                                                                                                          |

**\*Red – remote Arm/Disarm via Serial bus**

**\*\* Communicator is compatible with other manufacturer control panels when connected with GSM communicators E16T**