Online Networked System / Standalone
ST-640E
Multi-Function Networked Access Controller

CE **R⊘HS Compliant**

485-TO-USB
Optional RS485 Converter (For Computer USB port)

485-TO-TCPIP
Optional RS485 Converter (For computer TCP/IP port)

ST-640E
Standalone/Online
Proximity Keypad Controller

ST-640E Features

- 1000 users, 4 digit PIN codes
- Auto rest function
- Security system settings enabled /disabled
- Synchronizes with security system
- Anti-passback
- 3 Access modes: Card **only**, Card **or** Card, and Card **with** Code
- Alarm outputs: Duress, Door Ajar, Forced Entry
- Red, green and yellow LEDs for status and programming feedback
- Request to Exit input and door sensor input
- Timed relay outputs or latching (on/off)
- Management system software included
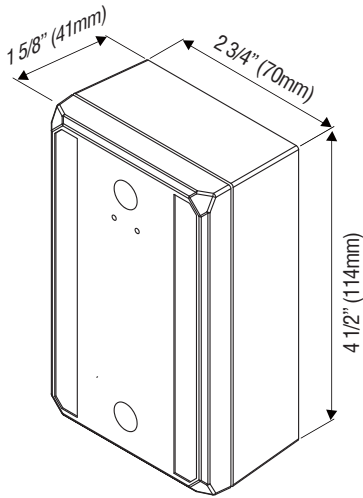- Mounts to ANSI standard surface or recessed single-gang boxes

ST-640E Specifications

Voltage	12 VDC
Keypad Output	26-bit/34-bit Wiegand
Read Range	10 ~15 cm
Proximity Frequency	EM 125KHz
Temperature	23°F ~140°F (-5°C~+60°C)
Humidity	5% ~95% Non-condensing
Color	Navy blue
Dimensions	Surface mount: 4 1/2" x 2 3/4" x 1 5/8" (114 W x 70 H x 41 D mm)
Interface	RS485

GEM®

Optional Proximity Readers

Standard Prox Reader

GEMPROX-640EM-BA

- Voltage: 10~14 VDC
- Current: 50mA/12VDC
- Frequency: EM125 KHz (EM-400x chip compatible)
- Output: 26/34 bit Wiegand
- Read Range: 10 cm
- Housing Material: Plastic ABS
- Color: Navy Blue

1 5/8" (41mm)
2 3/4" (70mm)
4 1/2" (114mm)

GEMPROX-640EM

Mullion Prox Readers

GEMPROX-26M
- Voltage: 7~12VDC
- Current: 100mA/12VDC
- Frequency: Mifare13.56 MHz
- Reader Output: 26 bit Wiegand
- Read Range: 7 cm
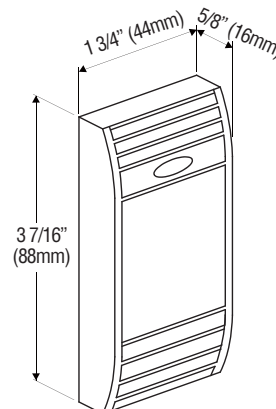- Color: Black /White

GEMPROX-26M   **GEMPROX-E**   **714-60**

GEMPROX-E
- Voltage: 12VDC
- Current: 50mA/12VDC
- Frequency: EM125KHz
- Reader Output: 26 bit Wiegand
- Temperature: -20~+70℃
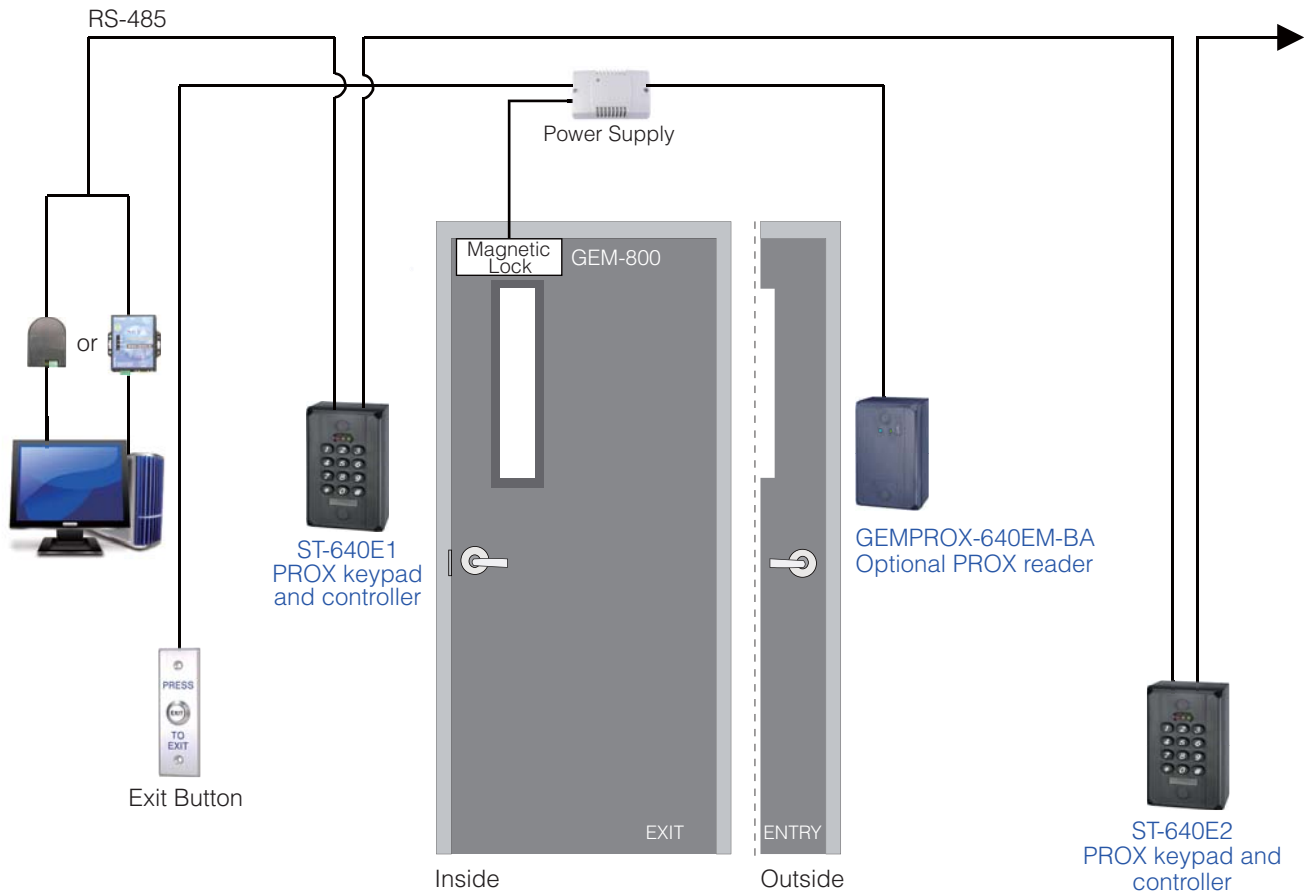- Humidity: 5~95% non-condensing
- Read Range: 6 cm
- Color: Black /White

1 3/4" (44mm)   5/8" (16mm)
3 7/16" (88mm)

714-60
- Voltage: 5~13.6 VDC
- Reader Output: 26/34/44 bit Wiegand
- Frequency: Mifare 13.56 MHz
- Color: Black

Networked Access Control System Architecture

ST-640E networked access controll system is expandable and connects up to 254 ST-640E controllers with built-in RS485 interface. The maximum wiring distance is up to 500 meters.

RS-485

Power Supply

or

Magnetic Lock   GEM-800

ST-640E1
PROX keypad
and controller

Exit Button

EXIT   ENTRY

Inside   Outside

GEMPROX-640EM-BA
Optional PROX reader

ST-640E2
PROX keypad and
controller

Warranty

The product is warranted against defects in material and workmanship while used in normal service for a period of 1 year from the date of sale to the original client. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.