NXG-512IP-M

xGen 8 to 512 zone panel with IP interface, Grade 3

General

With the ability to control up to 512 zones, 96 partitions and 256 outputs by 256 users, the NXG-512IP-M meets the requirements of the most demanding installation. All zones, partitions, groups, outputs, schedules, scenes, actions and permission profiles can be assigned with its proper name to make it easy to program and maintain. The xGen security system can be extended with wireless zone expanders supporting both UTC's legacy and latest wireless sensor technology. The xGen security system platform offers advanced user management features that can be linked to complex schedules and automation events. User rights, outputs and even zones can behave differently and change in real-time depending on the system conditions specified for the project.

Easy mounting

The panel enclosure features a DIN rail on which the xGen CPU is pre-mounted. Two additional expander modules can easily be added by releasing the locking tabs from the module. Place the module on the DIN rail and close the locking tabs to secure the module. The enclosure includes a pry-off tamper switch. As an option, a second DIN rail can be added and allows up to four more xGen zone or output expanders to be installed.

Easy to control and monitor from anywhere

The NXG-1820-EUR graphical touch screen allows easy access to all user functions and system controls. All menu controls for the user as well as all system messages appear as plain text on a clear 3.5" screen. The NXG-512IP-M built-in web server is accessible from a web browser on a computer, tablet or smartphone and allows the user to control the system, retrieve the history log and verify the system status. It allows the installer to access the system and perform advanced programming.
An App allows the user to control the xGen system from an Apple® iPhone/iPad or Google Android device. The user can navigate through different screens allowing to arm/disarm partitions, enable or disable Chime, bypass zones, manage users, view live video images and recorded video clips. The same App allows the installer to perform basic and advanced system programming.

Easy to program from anywhere

Once all devices are wired up and enrolled by the xGen system using the auto-enroll feature, the NXG-512IP-M can be programmed from the NXG-1820-EUR touch screen keypad, from a desktop PC connecting to the panel built-in web server or via the DLX900 management software. The system can also be programmed via a smart phone or tablet over the secured

Standard Features

- 8 zones on-board
- Maximum 512 zones (including maximum 192 wireless zones)
- Maximum 64 wireless keyfobs
- Maximum 96 partitions
- Maximum 256 users, each user with up to 4 profile levels
- Maximum 32 devices (expanders and keypads)
- Maximum 16 keypads
- Zone Doubling and multiple end-of-line resistor support
- Video integration
- Main and secondary tamper input
- 5 programmable outputs on-board
- Action and scene programming
- PSTN dialer on-board (SIA, CID and voice reporting)
- 4-wire RS-485 xGen bus
- RJ11 and screw terminal for telephone line
- 10/100Base-T IP/LAN connection
- Real Time Clock (RTC) and Network Time Protocol (NTP) support
- UltraSync support (reporting and App)
- Built-in web server
- DLX900 programming software
- Firmware upgrade via USBUP-EUR or DLX900 over the network
- Auto-enroll feature
- Removable terminals
- Several status LEDs on-board
- EN50131-1/EN50131-3/EN50131-6 Grade 3 Class II
- EN50136-2/EN50131-10 SP2(PSTN), SP3(IP, 3G)
- INCERT T031

NXG-512IP-M

xGen 8 to 512 zone panel with IP interface, Grade 3

UltraSync cloud service.

Easy to use App

An App is available for Apple iPhone/iPad and Google Android smart phones. It allows viewing the system status, offers system controls such as bypass zones, arm and disarm, read the event history and much more. The user can receive push notifications from the App in case the system status changes or when there is an alarm or trouble condition. If enabled, the App Location Service monitors the location of the smart device (user) in reference to the geographical location of the xGen panel. When the user enters or exits a fixed proximity from the alarm panel, automated functions can be initiated such as switching off lights, receive a notification if the panel is armed or not. The App guarantees a secure connection between your smart phone and xGen security system over WiFi or the cloud. The setup only requires to enter the NXG-512IP-M unique serial number and access code in the App. The user and installer can log in using their username and PIN code.

Ordering Information

Part No.	Description
NXG-64	xGen 8 to 64 zone panel, Grade 2
NXG-64IP	xGen 8 to 64 zone panel with IP interface, Grade 2
NXG-256IP	xGen 8 to 256 zone panel with IP interface, Grade 2
NXG-256IP-M	xGen 8 to 256 zone panel with IP interface, Grade 3
NXG-512IP-M	xGen 8 to 512 zone panel with IP interface, Grade 3
NXG-003-DIN	DIN rail for NXG-003(-G3)

Specifications

Supply voltage (typical)	230 Vac, +/-10%, 50 Hz
Operating power (nominal)	16.3 Vac/50 Hz, 40 VA
Transformer	included
Current consumption	
Typical	100 mA
Maximum	1.8 A (1 A bus load + charger)
Battery (optional)	max. 12Vdc/7Ah
Auxiliary power	
Maximum	1 A
Maximum for Grade 3	0.5 A with 18Ah battery
On-board zones	8
Maximum wired zones	512
Maximum wireless zones	
Detectors	192
Keyfobs	64
Partitions	96
Communication	
Ethernet	10/100Base-T IP/LAN connection
PSTN dialer	RJ11 and screw terminals
PIN codes	256
Log events	1024
On-board outputs	
Open collector	4
Maximum outputs	
Relays	256 (via NXG-5xx)
End-Of-Line resistor value	
Double end-of-line	3.3K - 6.6K; 4.7K - 9.4K; 4.1K - 8.2K
Triple end-of-line (with xGen Grade 3 CPU or zone expander only)	3.3K - 6.6K; 4.7K - 9.4K - 19.4K; 4.1K - 8.2K - 16.4K
Maximum number of modules	32
Zone doubling	Yes
Built-in siren driver	Yes (can be changed to voltage output)
Tamper switch	
Main panel tamper	Open and pry-off
Secondary input	Spare tamper input
Operating temperature	0°C to 45°C
Dimensions (L x W x H)	385 x 460 x 119 mm
Weight	7.700 kg

United Technologies
Climate | Controls | Security