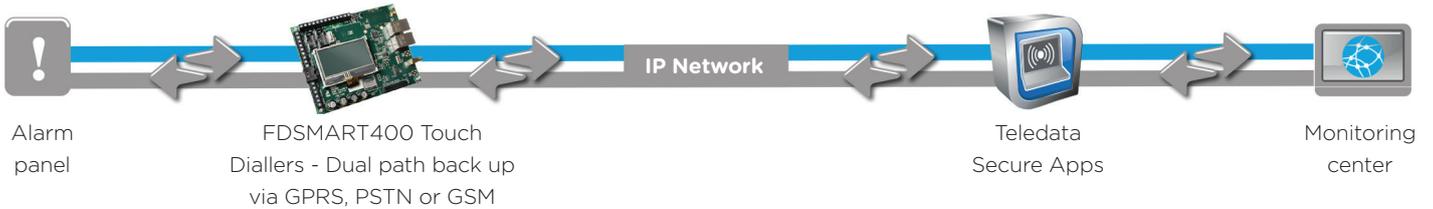
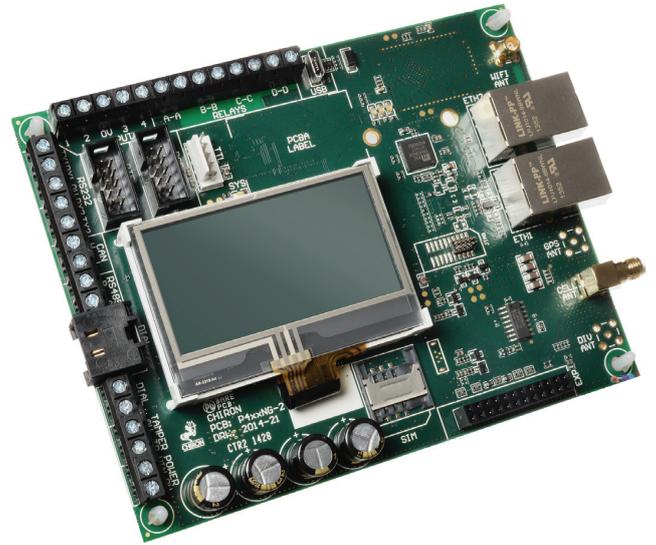




## Description

The new and improved Next Generation Series is designed to provide the same secure end-to-end alarm transmission expected from Chiron IRIS AoIP diallers, with the addition of new technology to set the NG diallers in a different realm of innovation.



## Technology

The new NG 4 continues to be suitable for use in existing enclosures and connects to any alarm panel, offering a highly flexible choice from Grade-2 to Grade-4 signalling options. In addition, the Next Generation diallers now include the following leading edge features:

- > Dual Ethernet connections allow you to include video feed from CCTV systems.
- > Full VoIP and SIP services available as standard on all units; ideal for voice applications such as audio verification, lift Installations and social care.
- > Industrial standard interface for HVAC and home automation; allowing the possibility of the installed alarm system being integrated with cutting edge building management and control systems.
- > Providing the user with continuous, uninterrupted connection, there is no delay when connecting to Remote Service
- > App, thereby vastly improving upload/download speeds and making the units remotely upgradeable.
- > All units feature an improved and highly sensitive, stylish and modern, multilingual touch screen designed for easy deployment.
- > Multiple connection interfaces are now included on all models, allowing flexibility and choice when connecting to any alarm panel.
- > Notification by text message on 400 & 440 models.
- > High speed Bus Interfaces allowing faster integration for upload/download, configuration from panel keypad and alarm transmissions.
- > Expansion boards available offering pin inputs or pin inputs and PSTN dial out.


**FDSMART Touch Features**

	<b>FDSMART400</b>	<b>FDSMART420</b>	<b>FDSMART440</b>
Touch screen	✓	✓	✓
Ethernet	-	2	2
GPRS	✓	-	✓
Dial capture	✓	✓	✓
Relays	4	4	4
Pins	4 standard + 12 with add-on daughter board		
Serial RS485	✓	✓	✓
Serial TTLRS232 (BASIC or FULL)	1 x FULL o 2 x BASIC		
CAN bus	✓	✓	✓
Text messaging	✓	✓	✓
Multi language menus	✓	✓	✓
VoIP & SIP services	✓	✓	✓
HVAC and Home Automation interface	✓	✓	✓
Option available on request	4G/CDMA		4G/CDMA
<b>Power Supply</b>			
Supply voltage	9 28V DC		
Typical idle current (supply at 12V)	151 mA	151 mA	153 mA
<b>Relays</b>			
Relay Outputs - Max. operating voltage	24V DC	24V DC	24V DC
Relay Outputs - Max. operating current rating	100mA DC	100mA DC	100mA DC
<b>Alarm Transmission</b>			
Interface to monitoring centre	IRIS Secure Apps or IRIS Management suite		
Dial capture interface to alarm panel	Two wire interface via RJ45 socket & Terminal Block		
	Input voltage range 0V to 24V DC		
	'Low' (alarm) threshold <1V		
	'High' (restore) threshold >2V		
Alarm protocols	Internal pull-up 10K to 3.3V supply		
	SIA (levels 1 to 3)		
	Contact ID		
Tamper detection reporting to monitoring centre	Fast format (Scancom)		
	Robofon		
	Dial capture interface		
Fault reporting to monitoring centre	signal input		
	Pin inputs		
	Transmission interface/path fault		
<b>Transmission Paths</b>			
Ethernet	Standard	-	UTP 10/100 Base T with auto-negotiation
	Connection	-	RJ45 socket for CAT5 cabling
	IP addressing	-	Dynamic (DHCP) or fixed
	Connection fault detection	-	Loss of Ethernet synchronisation
3G Standard (4G/CDMA optional)	Quad band GSM 850/900/1800/1900 MHz	-	Quad band GSM 850/900/1800/1900 MHz
	Antenna connection	SMA antenna socket	SMA antenna socket
	Connection fault detection	Loss of registration with network	Loss of registration with network



### Caratteristiche FDSMART Touch

	FDSMART400	FDSMART420	FDSMART440
<b>Environmental</b>			
Operating temperature range	-10°C to 55°C		
Operating humidity range	95% max., non-condensing		
<b>Weight and dimensions</b>			
Physical dimensions	15 cm x 11 cm		
PCB weight	300 grams		
Fully packaged weight	500 grams		
<b>Remote Connection</b>			
Continuous, uninterrupted connection to monitoring station allowing	Constant Connection for Configuration, Diagnostics, Re-flashing, to Remote Services Apps		
<b>Certification</b>			
EN50131-1:2006 & EN50136-1:2012	Grade 2, 3 and 4		
EN50136-2:2013	Grade 2, 3 and 4		
EN54EN50136-2:2013	Grado 2, 3 e 4		
EN54-21CPR	✓	✓	✓
	Certificazione VdS		