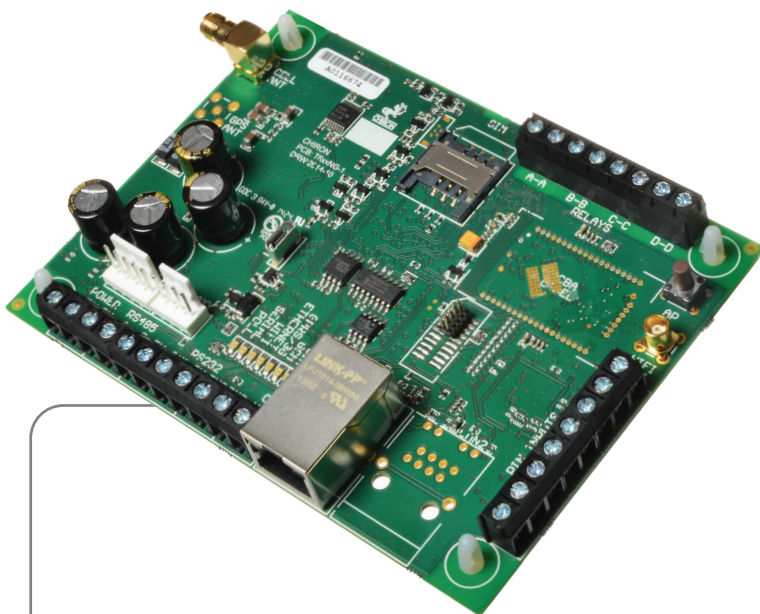# iris touch
Alarm over IP

6 SERIES NG

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.

IP Network

| Alarm panel | IRIS Touch - Diallers - Dual path back up via GPRS, PSTN or GSM | IRIS Secure Apps | Monitoring centre |

The new NG 6●●continues to offer the unique cost effective way to interface any fire and intruder alarm panel to IP and/or wireless networks, in addition to full integration with particular manufacturer's panels. They offer a choice from Grade-2 to Grade-4 signalling options. Furthermore, the Next Generation diallers now include the following leading edge features:

- Complete high specification integration with Texecom and Honeywell allowing easy deployment through alarm panel keypad.

- Full VoIP and SIP services available as standard on all units; ideal for voice applications such as audio verification, lift Installations and social care.

- 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.

- Independently certified for intruder and fire signalling, all products are approved and specified by leading insurers.

- Multiple connection interfaces are now included on all models, allowing flexibility and choice when connecting to any alarm panel.

- Notification by text message on 600 & 640 models.

- High speed Bus Interfaces allowing faster integration for upload/download, configuration from panel keypad and alarm transmissions.

IRIS Touch 600
(Single Path 3G*)

IRIS Touch 620
(Single Path IP)

IRIS Touch 640
(Dual Path IP & 3G*)

NG 4G / CDMA on request

EN50131-1: 2006
EN50136-1: 2012
EN50136-2: 2013
(ATS-6 Grade 4)

EN54-21 CPR

| Dual path | EN 50131/6 Independently certified | Back up monitoring centre capable | Connects to all alarm panels | Alarm plus services | Remote upload/download |

IRIS Touch 6●○ Features	600	620	640
Ethernet	–	1	1
GPRS	●	–	●
Dial capture	–	–	–
Relays	4	4	4
Pins	6	6	6
Serial RS485	●	●	●
Serial TTL	●	●	●
RS232 (BASIC or FULL)	2 x BASIC		
CAN bus	–	–	–
Text messaging	●	–	●
Multi language menus	●	●	●
VoIP & SIP services	●	●	●
Option available on request	4G / CDMA		4G / CDMA

Power Supply

	600	620	640
Supply voltage	9 -28V DC		
Typical idle current (supply at 12V)	97 mA	98 mA	106 mA

Relays

	600	620	640
Relay Outputs - Max. operating voltage	24V DC	24V DC	24V DC
Relay Outputs - Max. operating current rating	100mA DC	100mA DC	100mA DC

Alarm Transmission

Interface to monitoring centre	IRIS Secure Apps or IRIS Management suite	
Pin inputs interface to alarm panel	Input voltage range 0V to 24V DC	
	'Low' (alarm) threshold <1V	
	'High' (restore) threshold >2V	
	Internal pull-up 10K to 3.3V supply	
Alarm protocols	SIA (levels 1 to 3)	
	Contact ID	
	Fast format (Scancom)	
Tamper detection reporting to monitoring centre	Pin inputs	
Fault reporting to monitoring centre	Transmission interface/path fault	

Transmission Paths

Ethernet		600	620	640
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

Environmental

Operating temperature range	-10°C to 55°C
Operating humidity range	95% max., non-condensing

Weight and Dimensions

Physical dimensions	120 x 90 mm
PCB weight	60 grams
Fully packaged weight	160 grams

Remote Connection

Continuous, uninterrupted connection to monitoring station allowing	Constant Connection for Configuration, Diagnostics, Re-flashing, to Remote Services Apps

Certification

	600	620	640
EN50131-1:2006 & EN50136-1:2012	Grade 2, 3 and 4		
EN50136-2:2013	Grade 2, 3 and 4		
EN54-21CPR	●	●	●
	VdS Certified		