



ICNS

INTELLIGENT NETWORK SOLUTIONS

Equipment and Systems, Engineered for
Life Safety Communication and Building
Management Systems Networks

INTELLIGENT CENTRALISED NETWORK SOLUTIONS

ICNS is a communication engineering company that develops innovative products for the life-safety industry.

The company goal is to become a world leader in the field of centralised life-safety and Building Management Systems (BMS) event monitoring, reporting and notification.

All IRIS products are designed to be compatible with a diverse range of Fire Panels and BMS, allowing for the rapid introduction of new protocols.

IRIS introduces a common data format, combining customer equipment protocols into a single consolidated view.



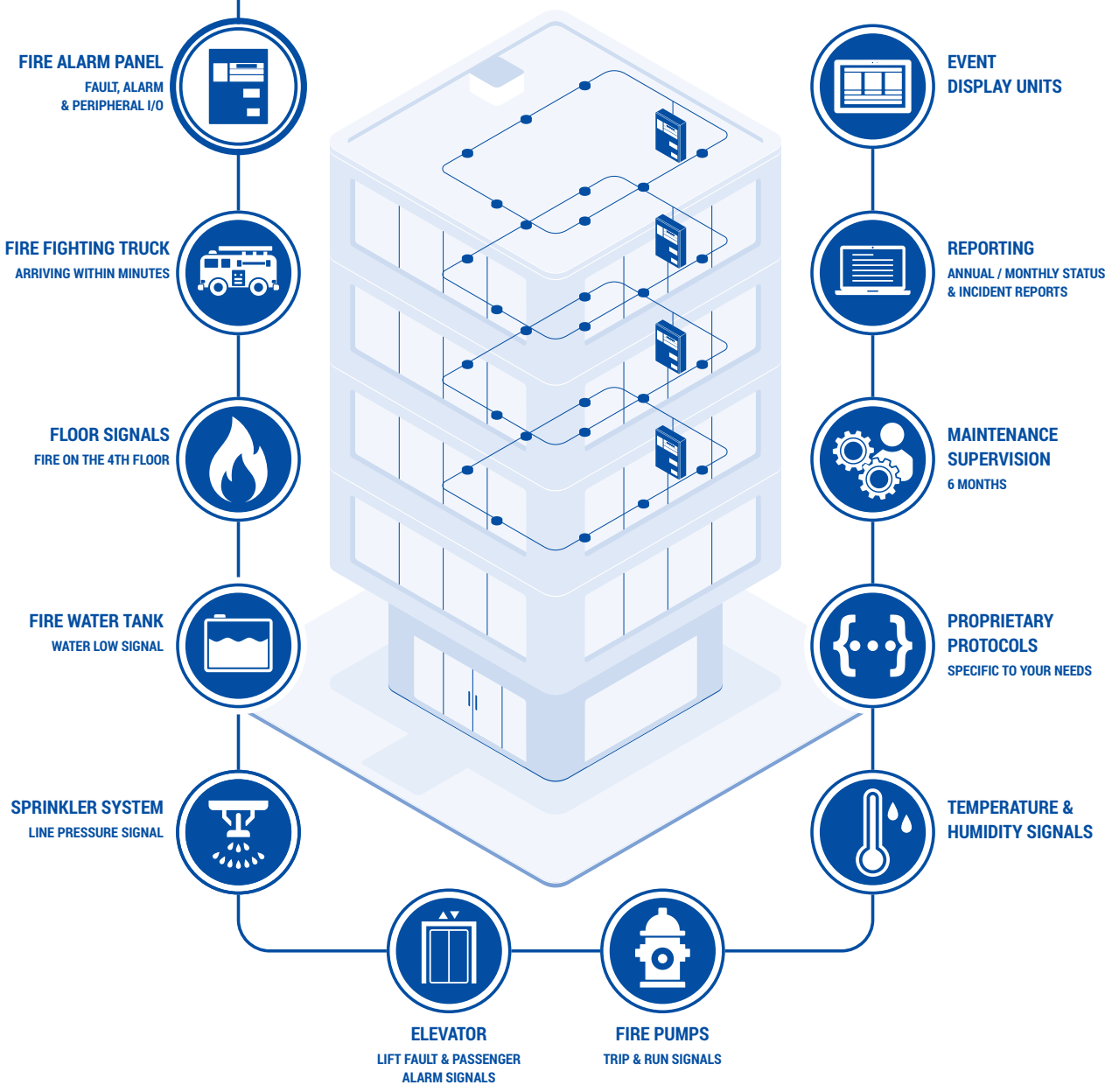
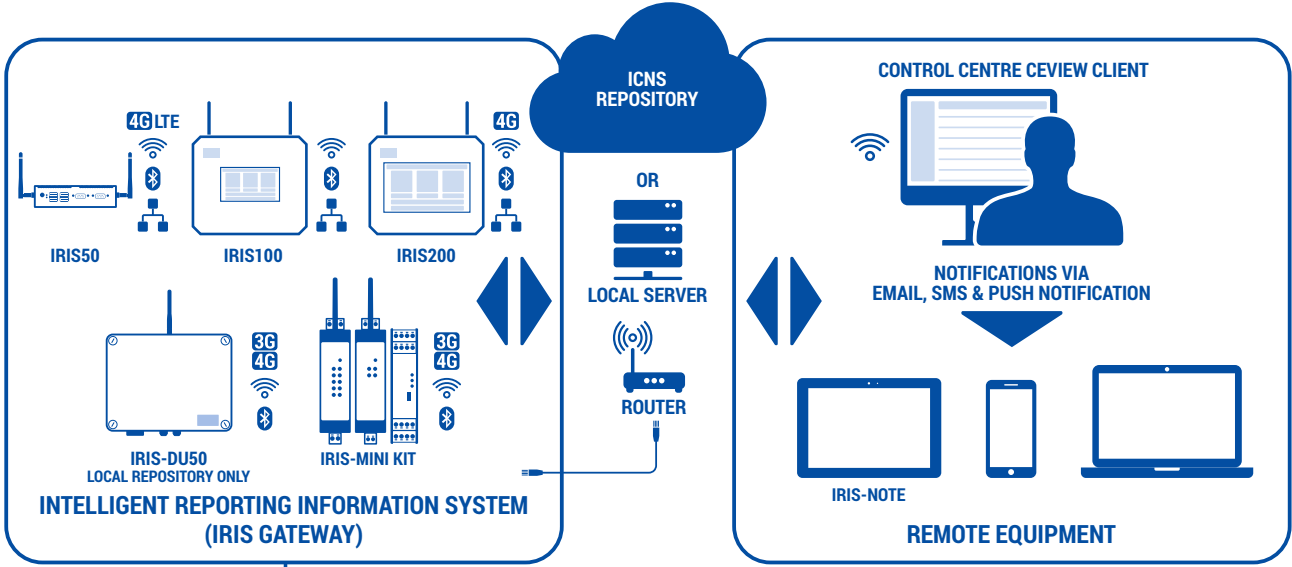
ICNS IRIS GATEWAY FEATURES

- Clear visual event status display
- Live event notification via SMS and smartphone Push notification
- Redundant event delivery design
- Configurable event notification
- Centralised control room dashboard for live event monitoring
- Secure encryption
- Scalable installation complexity
- Configurable device description
- Event archive retrieval for maintenance planning
- Secure and duplicate event storage in the ICNS repository

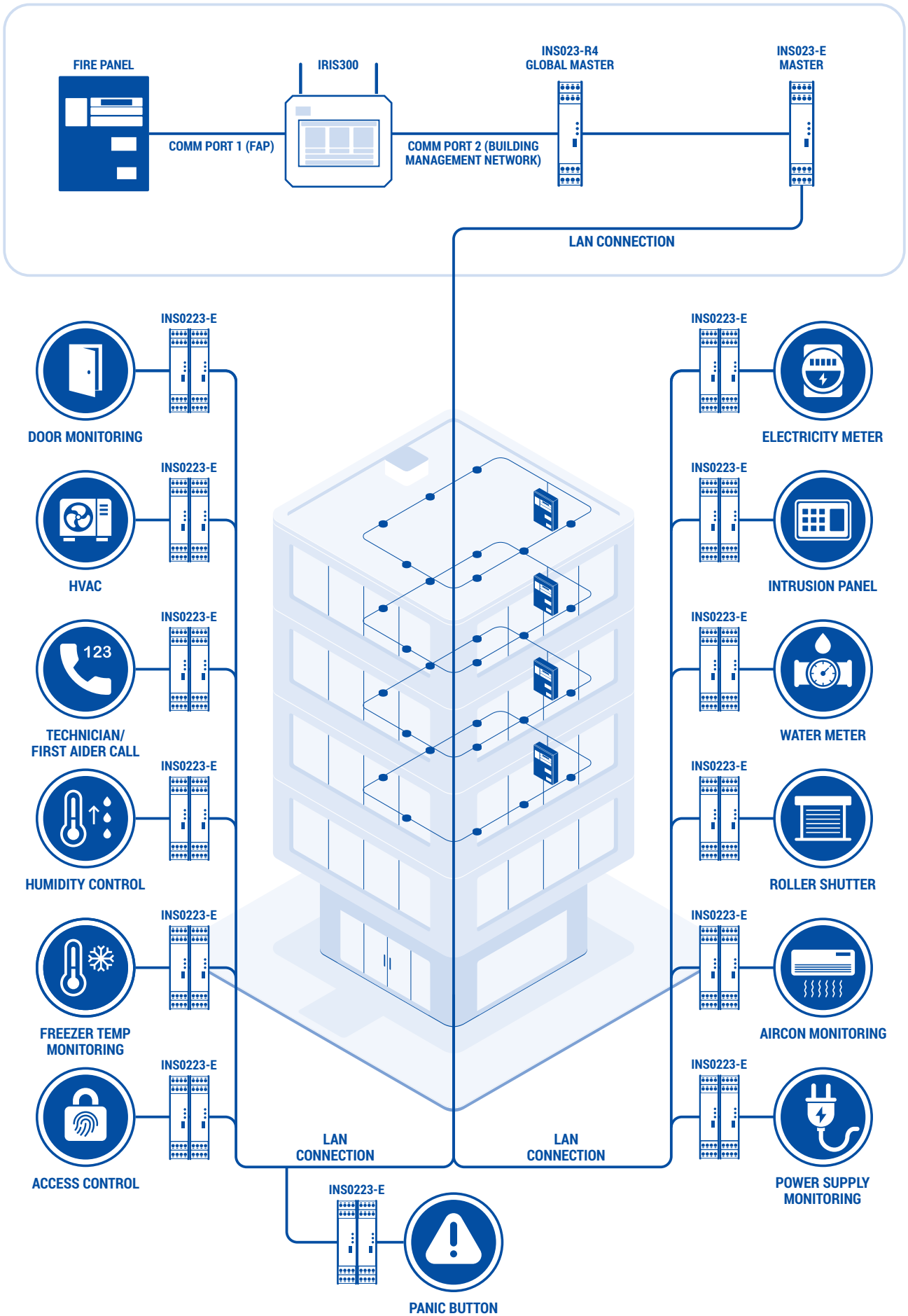
BENEFITS FOR FIRE ALARM SYSTEMS

- Remotely access the status of an installation prior to visiting the site
- Generate weekly/monthly/yearly reports detailing system performance
- Review maintenance requirements prior to visiting the site
- “Live” remote monitoring of weekly Fire System “Bell Tests”
- Remotely view detailed information about the activation of a loop device
- Receive Fire Alarm Panel (FAP) event notifications via secure email, SMS or smartphone application
- Remotely monitor FAP power supply and battery failures
- External I/O Interface status monitoring

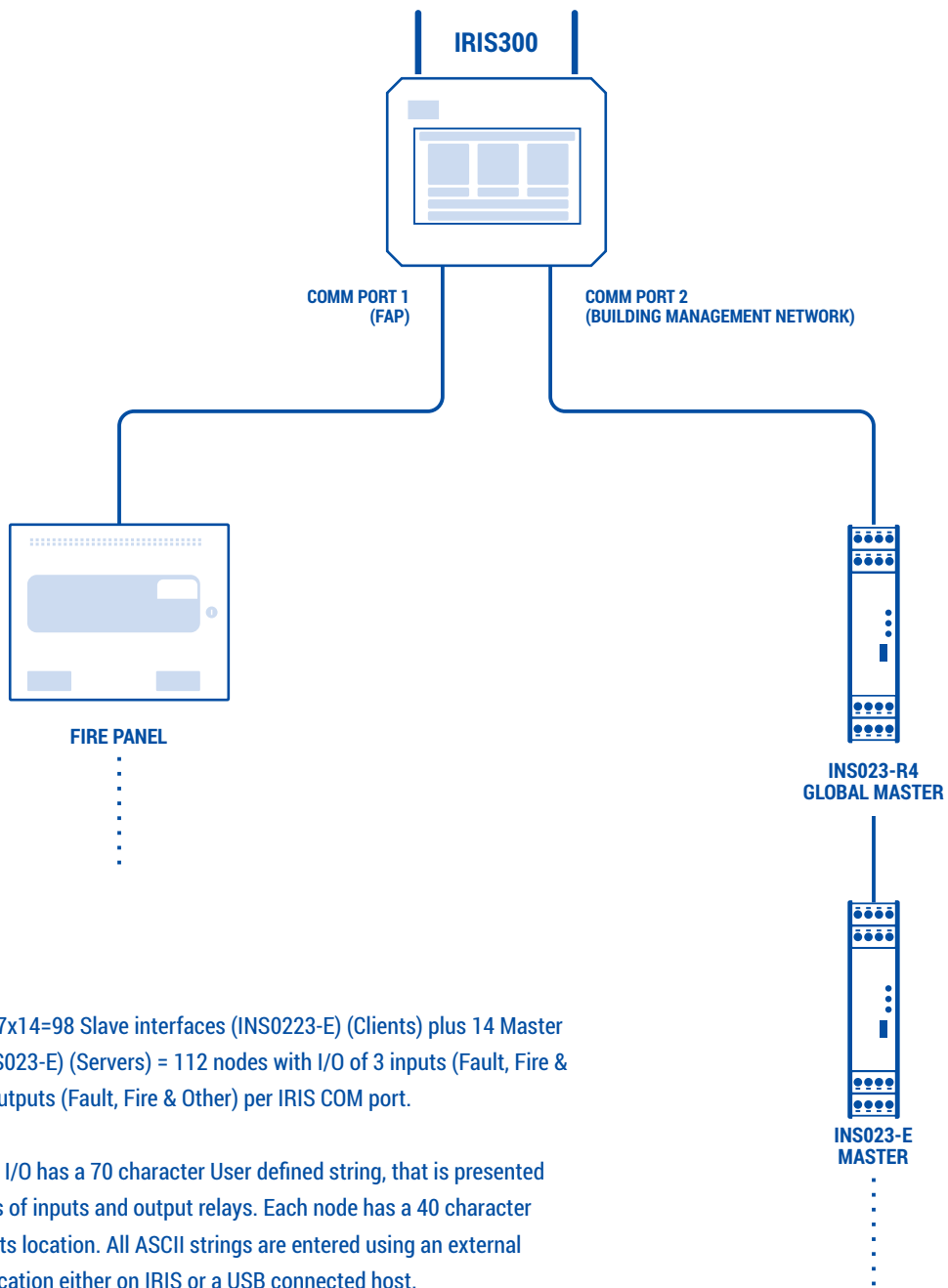
ICNS FIRE PANEL EVENT NOTIFICATION



ICNS BUILDING STATUS NOTIFICATION



ICNS GATEWAY CONNECTIVITY



NB: A MAX of $7 \times 14 = 98$ Slave interfaces (INS0223-E) (Clients) plus 14 Master interfaces (INS023-E) (Servers) = 112 nodes with I/O of 3 inputs (Fault, Fire & Other) and 3 outputs (Fault, Fire & Other) per IRIS COM port.

Each assigned I/O has a 70 character User defined string, that is presented with the status of inputs and output relays. Each node has a 40 character string next to its location. All ASCII strings are entered using an external software application either on IRIS or a USB connected host.

ICNS PRODUCTS



IRIS100



IRIS200

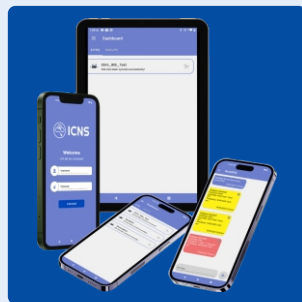


IRIS300

Supports multiple protocols on same gateway



IRIS50



IRIS-NOTE



IRIS-DU50



IRIS-MINI GATEWAY



CEVIEW



INS023-R4



INS023-E



INS0223-E

PRODUCT FEATURES

GATEWAY FEATURES	IRIS50	IRIS-DU50	IRIS100	IRIS200	IRIS300	IRIS-MINI GATEWAY
Bluetooth interface to IRIS	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
RS-232 interface to FAP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
RS485 interface to FAP		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ethernet Interface to FAP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
WiFi interface to router	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
High gain external WiFi antennas	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Ethernet interface to LAN (refer to datasheet)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4G LTE data connection	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SMS & email supported	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Smartphone notifications	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Local display		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
HDMI and RGB display interface	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dual event archiving	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Multiple protocols supported	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Basic fire, fault, I/O & network event display with graphics supported	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rugged industrial configuration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Supports multiple protocols on same gateway					<input checked="" type="checkbox"/>	
NOTIFICATION FEATURES	IRIS-NOTE	TELEGRAM				
Fast global delivery of notifications	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
Confirmation on message delivery	<input checked="" type="checkbox"/>					
Confirmation on message views	<input checked="" type="checkbox"/>					
Low cost notification messaging	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
Recipient authentication with PIN codes	<input checked="" type="checkbox"/>					
Recipient quick response with buttons	<input checked="" type="checkbox"/>					
Colour coding of events	<input checked="" type="checkbox"/>					
Icons for event differentiation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
Closed loop authentication	<input checked="" type="checkbox"/>					
Secure bi-directional control	<input checked="" type="checkbox"/>					
Private messaging groups	<input checked="" type="checkbox"/>					
Event response archive	<input checked="" type="checkbox"/>					
Customer branding	<input checked="" type="checkbox"/>					
Customisable display	<input checked="" type="checkbox"/>					
Tablet / Smartphone support	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				



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