Reliance XR Series by Aritech

SECURITY LITERALLY MADE SIMPLE

As part of the UltraSync family of intrusion panels, the Aritech Reliance XR series offers a new standard for scalability, flexibility and backwards compatibility, enabling professional security installers to leverage a single platform for new installs as well as upgrading legacy installations with the latest technologies. The Aritech Reliance XR series of panels are a smart hybrid intrusion solution ideal for installation ranging in size from residential to large commercial.

The on-board ethernet port allows a secure connection to the UltraSync Cloud, offering access to a wide range of services, including alarm reporting and remote connectivity. An optional 4G & WiFi router plug-on module is available for backup or primary cellular connectivity to the UltraSync Cloud. At the same time, the 4G & WiFi module can connect to a customer's home router via a Wifi link. This avoids having to install an ethernet cable between the panel and the customer's router.

MIGRATE NETWORX TO ARITECH RELIANCE XR

Legacy NetworX (NX) and Reliance systems can be easily migrated to an XR series variant as the new panels have been designed to retrofit in the existing enclosures. Conveniently, the XR series has also maintained a connection for the 3-wire legacy communication bus used on NetworX and Reliance systems, while also adding a new XR protocol bus to suit more modern and intelligent peripherals. Most of the NetworX and Reliance peripherals such as keypads and zone expanders can be integrated seamlessly with Aritech Reliance XR, avoiding the need to replace the entire security system.

FEATURES

- Aritech Reliance XR Series panels are designed to be retrofit where existing NX or Reliance panels are installed
- Panels support both 4-wire XR bus protocol for newer expansion modules, as well as 3-wire legacy NX or Reliance bus for legacy equipment
- Two different panels are available to suit different sized installations
- Onboard inputs available
- Onboard outputs available
- Built-in web server for control, user administration and panel programming
- Auto enroll feature for XR series expanders
- Zone-doubling support
- Legacy & LoNa 433 MHz RF receiver on-board for 63 bit and 80plus accessories
- Optional 4G/WiFi and 4G plug-on module
- Firmware upgradeable in the field
- Door access feature enabled

EASY TO PROGRAM

Once all system peripherals are wired up and enrolled by the Aritech Reliance XR system using the auto-enroll feature, the panel can be programmed from the local keypad, from a desktop PC connecting to the panel built-in web server or via the DLX900 management software. After system communications are configured and Ultrasync connection has been established, installers or users can access the panel via the Ultrasync+ app to make changes to system programming.

ULTRASYNC ENABLED

The Aritech Reliance XR series can be connected to the Ultrasync network to access a number of beneficial features.

Devices connected to the Ultrasync network either via native IP connection or by the Aritech 4G and Wifi expander can be monitored by an Ultrasync connected control room. Certified to the latest monitoring standards, this provides a fast, reliable and secure method of signal delivery from the alarm panel to the monitoring centre. A list of compatible monitoring centres can be found at https://www.firesecurityproducts.com.au/ultrasync

In addition to monitoring services, an Ultrasync connected panel can be securely remote accessed by users with correct panel permissions. A panel user can leverage this connection to access the mobile app to arm and disarm their system, receive push notifications and much more. An installer can also utilise the Ultrasync portal to remotely access the panels on board configuration web page as well as configure remote access using Ultrasync for use with the DLX 900 programming software.

ULTRASYNC+ APP

A mobile 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 and audit tasks such as reading event history.

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 panel. When the user enters or exits a fixed proximity from the protected premises, automated functions can be initiated such as receiving a notification if the panel is armed or not.

The installer can use the mobile App to perform advanced programming. The mobile App guarantees a secure connection between your smart phone and the Aritech Reliance XR security system over WiFi or the cloud. The setup only requires to enter the unique serial number and access code in the mobile App. The user and installer can log in using their user name and PIN code. No complicated port forwarding is required.

DOOR ACCESS

By combining Aritech Reliance XR Series panels with a door access compatible keypad (NXG-1832-EUR or NXG-1833-EUR), user can enable basic door control on their Aritech Reliance XR security system. Supporting high security credentials, door access on the Aritech Reliance XR security system provides an effective, affordable way of governing access to your home or office.

TECHNICAL SPECIFICATIONS

			Reliance XR NXX-4-W-AU / NXX-4-W-BO-AU	Reliance XR Pro NXX-8-WZ-AU / NXX-8-WZ-BO-AU
Systems	Panel type		Hybrid	Hybrid
	Max No. of modules		32	32
Inputs	Onboard physical inputs		4	8
	Onboard inputs total (zone doubling required		8	16
	Max No. of inputs incl. expanders		24	176
	Additional inputs		1: box tamper	1: box tamper
	EOL Resistor values		820 Ω (2-wire smoke) 3.3 kΩ, 4.1 kΩ, 4.7 kΩ (alarm) 3.74 kΩ, 6.98 kΩ (zone doubling	820 Ω (2-wire smoke) 3.3 kΩ, 4.1 kΩ, 4.7 kΩ (alarm) 3.74 kΩ, 6.98 kΩ (zone doubling
Wireless	Max No. of wireless transmitters		16	176
	Receiver type		Onboard - 433 MHz Legacy + LoNa 63 bit and 80plus compatible	Onboard - 433 MHz Legacy + LoNa 63 bit and 80plus compatible
Outputs	Onboard programmable outputs		3	4
	Additional onboard outputs		Siren/Bell	Siren/Bell, Smoke
	Max No. of outputs		32	32
System capacity	Areas		4	8
	Users		40	256
	User permissions		128	128
	Max Keyfobs		8	16
	Max Tablets		4	4
	Max Keypads		16	24
Communication	Onboard external communication ports		1 (Ethernet)	1 (Ethernet)
	Ethernet connection specification	Supported standard	IEEE 802.3u	IEEE 802.3u
		Speed	10BASE-T or 100BASE-TX	10BASE-T or 100BASE-TX
		Duplex	Half-duplex and full-duplex	Half-duplex and full-duplex
		Cabling	FTP (foiled twisted pair) Cat 5e cable or better	FTP (foiled twisted pair) Cat 5e cable or better
		Supported standard	IEEE 802.3u	IEEE 802.3u
	Databus type		Reliance XR, Reliance, NetworX (NX)	Reliance XR, Reliance, NetworX (NX)
	Reliance XR Bus	Type	4 wire RS485 bus High common mode tolerance (25V)	4 wire RS485 bus High common mode tolerance (25V)
		Range	800 m	800 m
		Recommended cable	Belden 7201A, 3107A, 9842, or exact equivalent 2 pair twisted shielded cable designed for RS485 (refer to installation manual)	Belden 7201A, 3107A, 9842, or exact equivalent 2 pair twisted shielded cable designed for RS485 (refer to installation manual)
Doors	Door access enabled		Yes	Yes
	Doors		4	16
	Door groups		256	256
	Access event log		5000	5000

Reliance XR Series by Aritech

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TECHNICAL SPECIFICATIONS

		Reliance XR NXX-4-W-AU / NXX-4-W-BO-AU	Reliance XR Pro NXX-8-WZ-AU / NXX-8-WZ-BO-AU
Event Log	Alarm event log	1024	1024
Mains Power Specifications	Mains input voltage	230 VAC +10%, –15%, 50 Hz ±10%	230 VAC +10%, –15%, 50 Hz ±10%
	Transformer output:	16.3 VAC 24 VA 16.3 VAC 48 VA	16.3 VAC 24 VA 16.3 VAC 48 VA
	Current consumption at 230 VAC:	240 mA max.	240 mA max.
Power Supply Specifications	Power supply voltage	13.8 VDC +/- 0.4 V	13.8 VDC +/- 0.4 V
	Power supply current	2 A max. at 13.8 VDC +/- 0.4 V	2 A max. at 13.8 VDC +/- 0.4 V
	Main board consumption	130 mA at 13.8 VDC +/- 0.4 V	130 mA at 13.8 VDC +/- 0.4 V
	Maximum system current available	2000 mA at 13.8 VDC +/- 0.4 V	2000 mA at 13.8 VDC +/- 0.4 V
	Auxiliary power output (AUX. POWER)	13.8 VDC +/- 0.2 V, 1 A max.	13.8 VDC +/- 0.2 V, 1 A max.
	Battery power output (BAT)	13.8 VDC +/- 0.2 V, 350 mA max.	13.8 VDC +/- 0.2 V, 350 mA max.
	Battery type	Lead acid rechargeable 7.2 Ah 12 V nominal	Lead acid rechargeable 7.2 Ah 12 V nominal
	Minimum voltage	9.45 VDC	9.45 VDC
	Maximum voltage at power supply, auxiliary power output and battery power output	14.5 VDC	14.5 VDC
	Battery low condition	From 11.3 VDC to 11.8 VDC	From 11.3 VDC to 11.8 VDC
	Battery disconnect voltage	9.77 VDC	9.77 VDC
	Maximum ripple voltage V, p-p	200 mV typical, 400 mV max	200 mV typical, 400 mV max
Physical (with enclosure)	Physical dimension	214 x 232 x 94 mm (enclosure only) 359 x 232 x 94 mm (with antennas)	292 x 291 x 91 mm (enclosure only) 437 x 291 x 91 mm (with antennas)
	Shipping weight	1435 g	2075 g
	Colour	Beige	Beige
	Material	Metal	Metal
Physical (board only)	Physical dimension	192 x 89 x 25 mm	273 x 89 x 25 mm
	Shipping weight	155 g	210 g
Environment	Storage temperature	–10°C to +55°C	–10°C to +55°C
	Relative humidity	95% non-condensing	95% non-condensing
	IP protection grade (in enclosure)	IP30	IP30
Regulatory	ANZ compliance	CE, RCM	CE, RCM
	Overseas	EN50131 Grade 2, INCERT	EN50131 Grade 2, INCERT