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

- 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

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. .

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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
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	8 hardwired + 16 wireless	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	9
	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
	Ethernet connection specification — Speed	10BASE-T or 100BASE-TX	10BASE-T or 100BASE-TX
	Ethernet connection specification — Duplex	Half-duplex and full-duplex	Half-duplex and full-duplex
	Ethernet connection specification — Cabling	FTP (foiled twisted pair) Cat 5e cable or better	FTP (foiled twisted pair) Cat 5e cable or better
	Ethernet connection specification — 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)
	Reliance XR Bus — Range	800m	800m
	Reliance XR Bus — 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) (refer to installation manual)

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TECHNICAL SPECIFICATIONS

<table>
<tr><td colspan="2"></td><td>1024</td><td>1024</td></tr>
<tr><td rowspan="1">Event Log</td><td>Alarm event log</td><td></td><td></td></tr>
<tr><td rowspan="3">Mains Power Specifications</td><td>Mains input voltage</td><td>230 VAC +10%, −15%, 50 Hz ±10%</td><td>230 VAC +10%, −15%, 50 Hz ±10%</td></tr>
<tr><td>Transformer output:</td><td>16.3 VAC 24 VA
16.3 VAC 48 VA</td><td>16.3 VAC 24 VA
16.3 VAC 48 VA</td></tr>
<tr><td>Current consumption at 230 VAC:</td><td>240 mA max.</td><td>240 mA max.</td></tr>
<tr><td rowspan="13">Power Supply Specifications</td><td>Power supply voltage</td><td>13.8 VDC +/- 0.4 V</td><td>13.8 VDC +/- 0.4 V</td></tr>
<tr><td>Power supply current</td><td>2 A max. at 13.8 VDC +/- 0.4 V</td><td>2 A max. at 13.8 VDC +/- 0.4 V</td></tr>
<tr><td>Main board consumption</td><td>130 mA at 13.8 VDC +/- 0.4 V</td><td>130 mA at 13.8 VDC +/- 0.4 V</td></tr>
<tr><td>Maximum system current available</td><td>2000 mA at 13.8 VDC +/- 0.4 V</td><td>2000 mA at 13.8 VDC +/- 0.4 V</td></tr>
<tr><td>Auxiliary power output (AUX. POWER)</td><td>13.8 VDC +/- 0.2 V, 1 A max.</td><td>13.8 VDC +/- 0.2 V, 1 A max.</td></tr>
<tr><td>Battery power output (BAT)</td><td>13.8 VDC +/- 0.2 V, 350 mA max.</td><td>13.8 VDC +/- 0.2 V, 350 mA max.</td></tr>
<tr><td>Battery type</td><td>Lead acid rechargeable 7.2 Ah 12 V nominal</td><td>Lead acid rechargeable 7.2 Ah 12 V nominal</td></tr>
<tr><td>Minimum voltage</td><td>9.45 VDC</td><td>9.45 VDC</td></tr>
<tr><td>Maximum voltage at power supply, auxiliary power output and battery power output</td><td>14.5 VDC</td><td>14.5 VDC</td></tr>
<tr><td>Battery low condition</td><td>From 11.3 VDC to 11.8 VDC</td><td>From 11.3 VDC to 11.8 VDC</td></tr>
<tr><td>Battery disconnect voltage</td><td>9.77 VDC</td><td>9.77 VDC</td></tr>
<tr><td>Maximum ripple voltage V, p-p</td><td>200 mV typical, 400 mV max</td><td>200 mV typical, 400 mV max</td></tr>
<tr><td rowspan="4">Physical (with enclosure)</td><td>Physical dimension</td><td>214 x 232 x 94 mm (enclosure only) 359 x 232 x 94 mm (with antennas)</td><td>292 x 291 x 91 mm (enclosure only) 437 x 291 x 91 mm (with antennas)</td></tr>
<tr><td>Shipping weight</td><td>1435g</td><td>2075g</td></tr>
<tr><td>Colour</td><td>Beige</td><td>Beige</td></tr>
<tr><td>Material</td><td>Metal</td><td>Metal</td></tr>
<tr><td rowspan="2">Physical (board only)</td><td>Physical dimension</td><td>192 x 89 x 25 mm</td><td>273 x 89 x 25 mm</td></tr>
<tr><td>Shipping weight</td><td>155g</td><td>210g</td></tr>
<tr><td rowspan="3">Environment</td><td>Storage temperature</td><td>−10℃ to +55℃</td><td>−10℃ to +55℃</td></tr>
<tr><td>Relative humidity</td><td>95% non-condensing</td><td>95% non-condensing</td></tr>
<tr><td>IP protection grade (in enclosure)</td><td>IP30</td><td>IP30</td></tr>
<tr><td rowspan="2">Regulatory</td><td>ANZ compliance</td><td>CE, RCM</td><td>CE, RCM</td></tr>
<tr><td>Overseas</td><td>EN50131 Grade 2, INCERT</td><td>EN50131 Grade 2, INCERT</td></tr>
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For more information on WMS Pro by tecom, please contact your local DAS branch for more information on 1800 327 724.