

ICT ArmorIP Internet Monitoring Receiver

The ArmorIP Receiver is an advanced technology remote monitoring solution designed to operate over high speed broadband multiplexed connections.

Comprising of a UL/ULC listed Comark Server and preinstalled with the ArmorIP Internet Monitoring Application, the ArmorIP Receiver is supplied ready to mount in a standard 19" rack, and converts the ICT ArmorIP reporting protocol used by the Protege System, PostX Reporting Module, and other third party products, for use in any Ademco 685 compliant monitoring station application.



Feature Highlights

- > UL and ULC listed to standards UL1610, CAN/ULC-S304 and CAN/ULC-S559
- > Full ArmorIP Protocol support
- > NIST Certified AES 128, 192 and 256 Bit Encryption
- > Monitors and supervises up to 10000 simultaneous sites
- > Converts the ICT ArmorIP reporting protocol for use in any Ademco 685 compliant monitoring station application
- > Industry-standard 19 inch rack or cabinet compatible

UL/ULC Listed

Underwriters Laboratories (UL) is an independent product safety certification organization responsible for accrediting consumer products based upon criteria set in place by major consumer safety organizations. All UL listed products go through rigorous testing to ensure they meet stringent industry performance standards.

The ArmorIP Receiver is listed to the following UL/ULC standards:

- > **UL1610 – Central Station Burglar Alarm Units**
This standard applies to components of central station burglar alarm systems intended and specifically designated for burglary protection use at mercantile and banking premises, on mercantile safes, and on bank safes and vaults.
- > **CAN/ULC-S304 - Signal Receiving Center and Premise Burglar Alarm Control Units**
This standard covers construction and performance requirements for signal receiving center burglar alarm control units, including signal receiving, recording and supervisory control units intended for permanent use within a signal receiving center. It also covers associated burglar alarm control units to be installed within mercantile and banking premises and on safes and vaults for protection against burglary.
- > **CAN/ULC-S559 - Equipment for Fire Signal Receiving Centers and Systems**
This standard covers requirements for fire signal receiving centers and systems which include transmitting, receiving equipment and proprietary fire signal receiving center equipment and control unit accessories.



Active Communication Standards

ArmorIP is one of the only systems in the world to meet the ULC Level A4 active communications standard for burglary and fire monitoring (CAN/ULC S304). The system detects and identifies any attempt to send data in a format that cannot be decoded or has invalid data as a compromise attempt. Each compromise attempt sends a notification to the receiver and logs the event.

Encryption Support

All communications can optionally be configured to use AES encryption with 128, 192, or 256 bit keys.

Full Textual Transmission

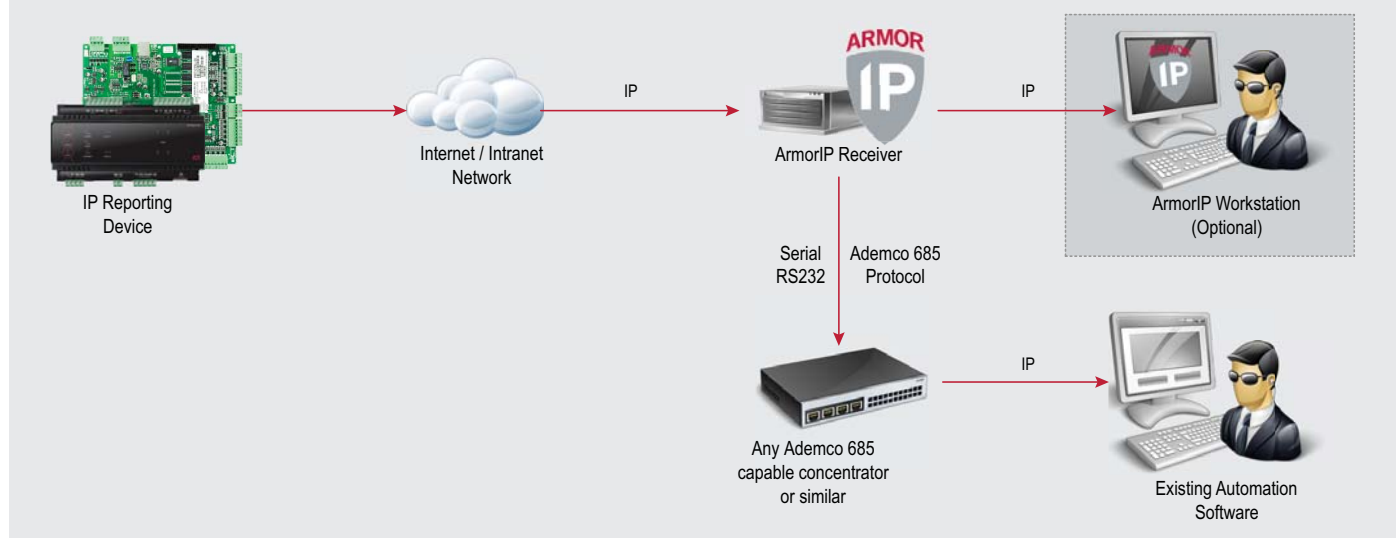
The ArmorIP protocol outputs full textual based transmission that includes the names of the items (user, area or input) that generated the reportable event.

Each item can be individually configured to define the display text that is used to identify it within ArmorIP. ArmorIP then reads the number from Contact ID and uses the display text (if defined) when displaying an event. For example, instead of displaying an event as Input 8 activated, it may display as Warehouse SW PIR activated.

Configurable Report Maps

Configurable report maps allow incoming Contact ID codes to be translated to their correct text name. For example the CID code 130 would be translated to Burglary as per the SIA DC-05 Specification (SIA DC-0501999.9). Each event in the report map is further evaluated based on a priority setting, and can be configured to determine that the event requires an acknowledgement from an operator if the automation software link has failed.

ArmorIP Connection Overview



Technical Specifications

Physical	Construction	Black Steel Case
	Air Filter	(1) Replaceable Filter
	Cooling Fan	(1) 120 mm (80 plus cfm) Ball-Bearing Cooling Fan
	Disk Drives	(3) 5¼" and (2) 3½" Drive Bays (One for Internal HDD)
	Dimensions	16.8"W x 17.6"D x 7"H (482.6 x 447.04 x 177.8mm)
	Weight	39 lbs. (17.5kg)
Environmental	Operating	0 - 50°C (32 - 122°F)
	Storage	0 - 70°C (32 - 158°F)
	RHNC	5 - 95%
	Vibration	1.5G, 3 Axis, 10 - 15Hz, .75cm
	Shock	10G, 3 Axis, 11ms
Power Supply: Compatible to ATX 12V 2.0 Standard	Maximum Output	300W
	Input Voltage and Frequency	115/230, 47Hz - 63Hz
	Input Current	9.0 Amps @ 115VAC, 60Hz
	MTBF	Minimum 100,000 Hours at 25°C (70°F)
	Safety	UL/ULC/CSA/TUV/FCC/IEC
Processor	Core 2 Duo 2.16GHz	
Approvals	UL 864/ULC-S527 Ninth Edition Recognized, Regulatory Emissions FCC Part 15	

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