

# Elpas

RTLS Location Based Security )))

Safety and Security from the ground up

Day or Night

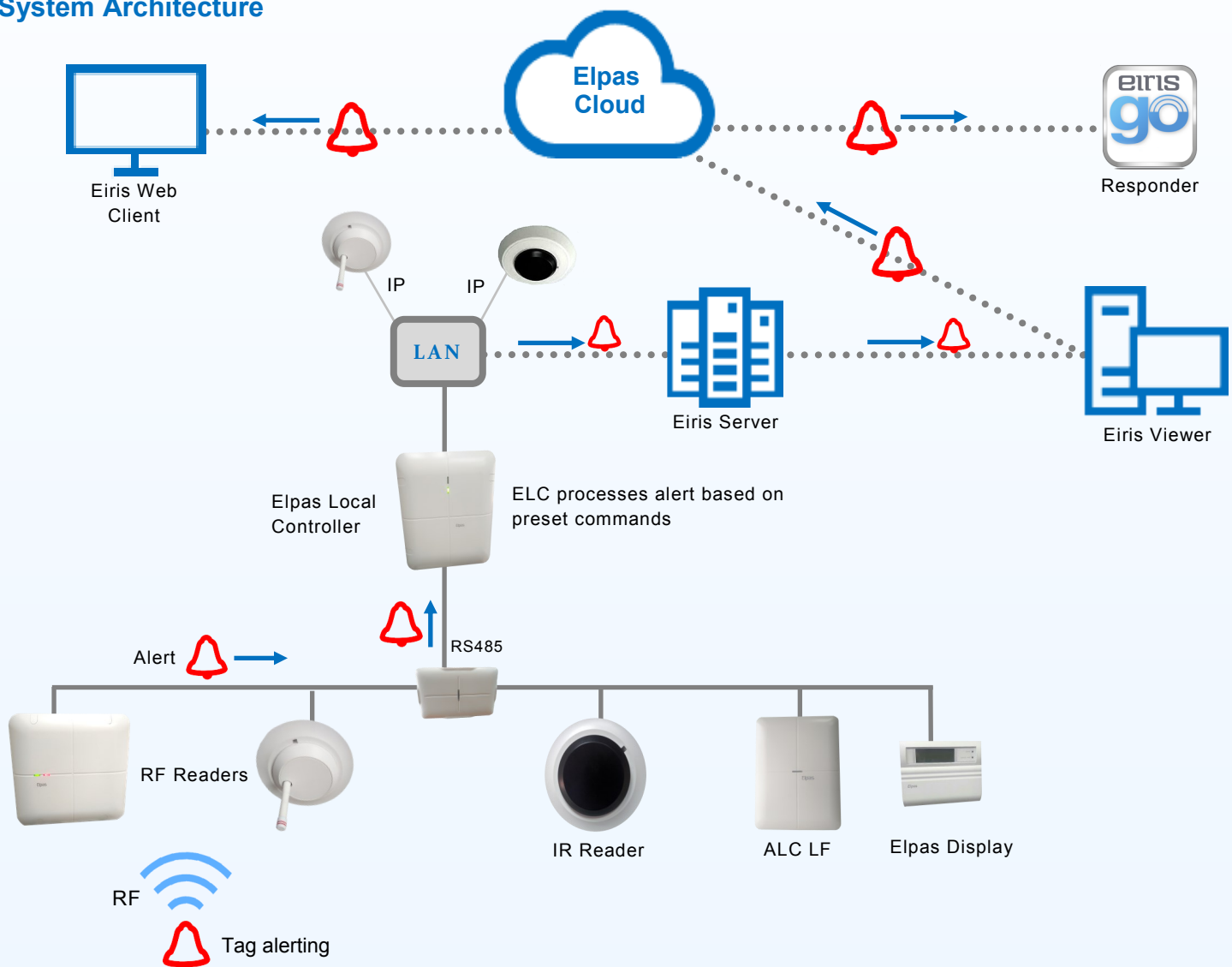
## RS-485 Junction Box



## RS-485 Junction Box

The Elpas RS-485 Junction Box is a multi-drop, solid state fixed network accessory that provides installers with a convenient power/data interface for linking Elpas RS-485 bus devices together. Each box contains four female RJ-11 (6P6C) modular jacks that support Elpas network drop cables, for the easy connection of Elpas bus devices. The device has two loop-through 8 pin 110 punch-down block connectors to enable multiple RS-485 Junction Boxes to be connected in a daisy chain wiring configuration via CAT-5 cabling. Constructed of white ABS plastic, the RS-485 Junction Box can be surface mounted onto solid walls and ceilings or easily located above dropped (false) ceilings.

### System Architecture



## RS-485 Junction Box



### Features

- Small, architecturally attractive
- Made of white ABS plastic
- Two RS-485 interface color-coded punch down blocks
- Four RJ-11 jacks for stubs
- CAT-5 Backbone
- Solid state construction
- Power-On status indicator LED
- CE, FCC, IC compliant

### Applications and Uses

- Access Control
- Assisted living or retirement communities
- Infant protection
- Wander Protection
- Nurse/patient call
- Asset management and loss prevention
- Intrusion Alarming
- Wireless and Wired Assisted Calls
- Lift Control



## Specifications

Total Pass Through Current	2.5 Amps
RS-485 Bus	230Kbit/sec
RS-485 Bus Backbone Interface	Two eight-pin 110 punch down blocks
RS-485 Bus Device Interfaces	Four RJ-11 (6P6C) female network drop connectors (for RS-485 data & 16-28 VDC)
Power Interface	Two-position removable terminal block (for 16-28 VDC)
End of –the-Line Termination	Two-position terminal block
Green LED Indicator	Lights continuously when powered-up
Red LED Indicator	Corrupted Firmware: lights continuously   Unregistered in Eiris: toggles on/off every second   Tag Detection: flasher once per message
Construction	White ABS Plastic
Dimensions (H x W x D)	110 x 63 x 26 mm (4.3 x 2.5 x 1.0 inches)
Weight	70 grams / 2.5 ounces
Operating Environment Temperature	-10°C to 70°C / 14°F to 159°F   Humidity: 20% to 80% non-condensing
Warranty	1 year limited warranty
*All specifications are subject to changes without notice	

## Cabling Options

Part Number	Type
**5-ERS02721-5	Network Drop Cable, 5m / 16ft
*5-ERS01905-10	Reader Certified Cable with 2 RJ11 connectors, 10ft
*5-ERS01905-15	Reader Certified Cable with 2 RJ11 connectors, 15ft
*5-ERS01905-15P	Reader Certified Cable with 2 RJ11 connectors, 15ft, Plenum Rated
5-ERS02800	60 Power Supply, 24VDC/2.5A
5-ERS02602	60 Power Supply, 24VDC, 4 Amp, Linear
5-ERS02603	60 Power Supply, 24VDC, 10 Amp, Linear

\*Available only in the Americas | \*\* Not available in the Americas

## Ordering Information

Part Number	Type
5-JFA10485	RS-485 Junction Box, 4 RJ11 ports

*Product offerings and specifications are subject to change without notice*

*Not all products include all features*

## Related Products

Local Controller



LF Beacon



Display Panel



IR Reader



# Elpas

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*Elpas is global provider of scalable Passive & Active RFID/RTLS Safety, Security and Visibility Solutions for Healthcare, Manufacturing, Logistics and Building Automation. Elpas delivers a complete line of real-time location based security solutions that help enhance individual safety, reduce property shrinkage, streamline operational workflows, protect the vulnerable, lessen negligence litigation and facilitate industry guideline compliance. Elpas currently serves customers throughout the Americas, the U.K., EMEA and Asia-Pacific.*