LuxIntelligent Ethernet, WiFi or 4G Router - obsolete

The LuxIntelligent Ethernet, WiFi or 4G Router permits remote interaction and monitoring of the LuxIntelligent emergency lighting test panel.

It is an economical and easy way to monitor your emergency lighting system from anywhere across the installation, using its local area network via an ethernet port or WiFi connection; or anywhere in the world via the 4G connectivity option.

There is no need to physically network panels across an installation. Simply tag each panel onto the site's internal network or connect externally via a mobile SIM card. Any number of computers on the network can download test data and access the full LuxIntelligent Cloud.

The Router can be installed next to or near any panel, with various antennas and accessories included to ensure connectivity. It is supplied with the serial interface lead for connecting to the panel. All that is required is a data connection to the closest local network hub or Fixed -IP mobile SIM card.

The device is easily configured using a standard Windows™ tools - simply allocate it an IP address and associated gateway information. The serial communications are then set up to match those of the panel and full access to the panel is available on the network. Controls can be configured so that only known IP addresses can access the device and password protection can be set.

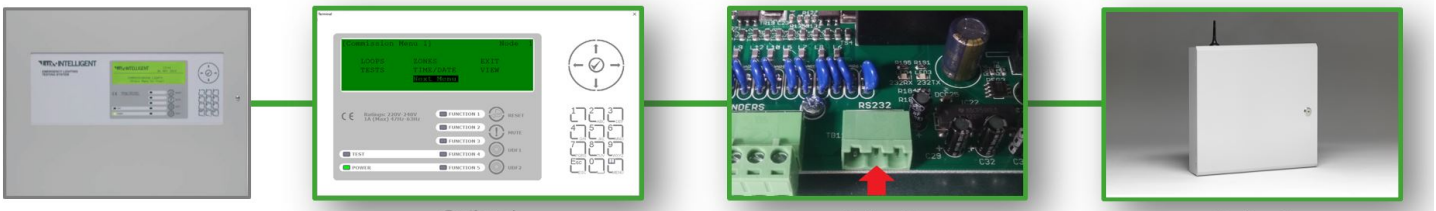
Full technical support is available to help guide users in the setup and connection of your router via our technical support team.



Features

- Allows full use of all LuxIntelligent monitoring features
- Dual Ethernet and choice of RS232 or RS485 port
- Modbus RTU to Modbus TCP Gateway built-in
- Ethernet, Wifi and 4G internet connection options with auto-failover
- Secure, lockable metal enclosure to keep your data connections secure

Connectivity Options



Option 1
Manually view data at the panel

Option 2
PC connection via RS232 to USB cable
(Advanced drivers & cable required)

Option 3
LuxIntelligent Ethernet, WiFi
or 4G Router

LOGGER TOOL

- PC software that extracts all test results and current status of lights
- Presents data in a clear format that demonstrates BS EN 5266 compliance
- Add comments to any failures/rectification works
- Generate fail summaries for distribution to maintenance teams
- Virtually connect to a control panel as if stood in front of the panel

LUX CLOUD

- Register at my.luxintelligent.com/
- Download Lux Sync Tool
- Pulls all data into your cloud account

Specification

Cellular Interface	
Number of antennas	2 external antenna(MAIN + AUX)
Connector	SMA-K
SIM	1* (3 V & 1.8 V) Standard SIM or eSIM
Ethernet Interface	
Number of ports	2 x 10/100 Mbps, 2 x LAN or 1 x LAN + 1 x WAN
Magnet isolation	1.5 KV
WiFi Interface	
Number of antennas	1 external antenna
Connector	RP-SMA-K (external antenna)
Standards	802.11b/g/n, supports AP & Client modes
Frequency bands	2.4 GHz
Security	WEP, WPA, WPA2
Encryption	64/128 AES, TKIP
Data speed	2*2 MIMO, 300 Mbps
RF output power (+/-1 dBm)	802.11b (19 dBm)
	802.11g (19 dBm)
	802.11g (19 dBm)
	802.11n (40 MHz / 17 dBm)
Receiving sensitivity (+/-1 dBm)	802.11b (-93 dBm)
	802.11g (-90 dBm)
	802.11n (20 MHz / -88 dBm)
	802.11n (40 MHz / -85 dBm)
Serial Interface	
Type	1 x RS-232 or 1 x RS-485 (hardware configuration)
Connector	3-pin 3.5mm female socket
Baud rate	300bps to 115200bps
SDK	
Supported programming languages	C, C++, Linux Shell Scripts
Flash available for SDK	4MB
RAM available for SDK	64MB
Other	
Reset button	1 RST
LED indiators	1 x RUN, 1 x MDM, 1 x USR, 1 x RSSI, 1 x WLAN
Built-in	Watchdog, Timer
Software	
Network protocols	PPPoE, DHCP , NAT, DNS, NTP, SMTP, Telnet, VLAN, SSH2, DDNS, etc.
VPN tunnel	IPsec, OpenVPN, GRE
Firewall	DMZ, anti-DoS, Filtering (IP/Domain name/MAC address),
	Port Mapping, Access Control
Management	Web, CLI, SMS
Power Supply and Consumption	
Connector	2-pin 3.5 mm female socket
Input voltage	9 to 36V DC
Power consumption	Idle: 100mA @ 12 V
Physical Characteristics	
Metal Housing Dimensions	345mm(H) x 345mm(W) x 85mm(D)
Ingress Protection	IP30
Operating Temperature	-25 to +70 °C
Storage Temperature	-40 to +85 °C
Relative Humidity	5 to 95% RH
Approvals	
EMI	EN 55032: 2012/AC: 2013 (CE & RE) Class B
EMS	IEC 61000-4-2 (ESD) Contact Level 2;
	IEC 61000-4-3 (RS) Level 2
	IEC 61000-4-4 (EFT) Level 2
	IEC 61000-4-5 (Surge) Level 2
	IEC 61000-4-6 (CS) Level 2



Order code

SP-3665-1	LuxIntelligent Serial to Ethernet, WiFi or 4G Router in Wall-mounted panel

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As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.