

LuxIntelligent Ethernet, WiFi or 4G Router

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.

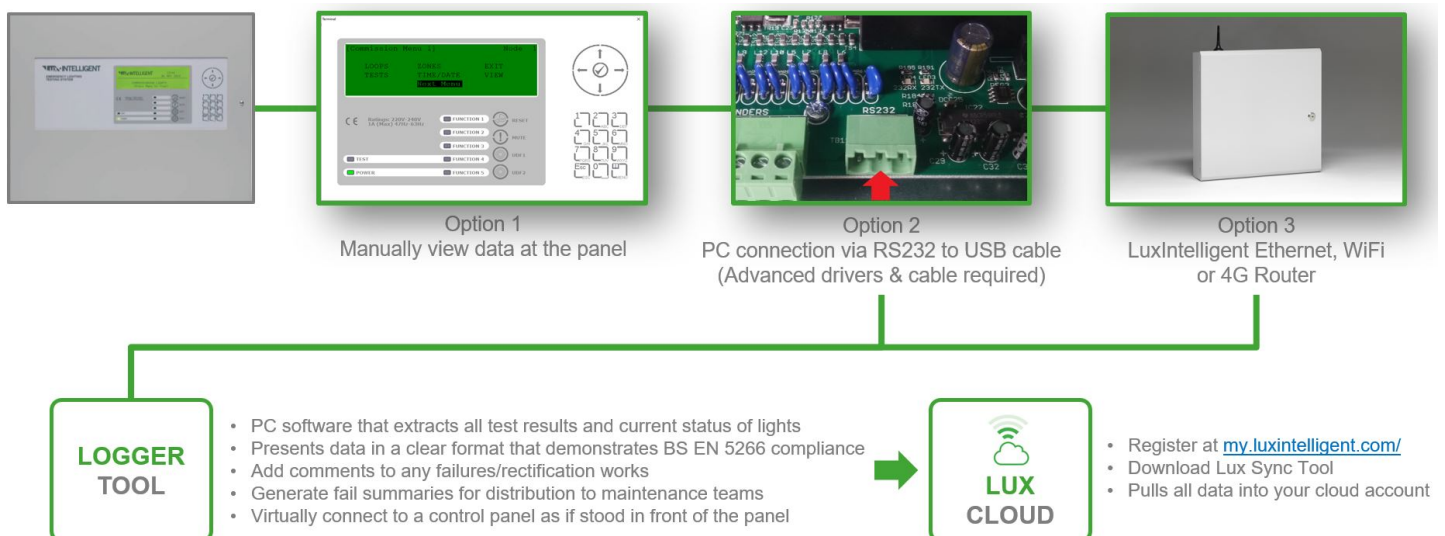
Full technical support is available to help guide users in the setup and connection of your router via our technical support team.



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



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 indicators	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 codes

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

[Check if this document is up to date](#) | [Give us feedback](#)

Advanced, The Bridges, Balliol Business Park, Newcastle, NE12 8EW, UK T: +44 (0)1670 707 111, E: enquiries@luxintelligent.com, W: www.luxintelligent.com

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