

E2D REMOTE ACCESS KIT

Product code: N000224

ES-SYSTEM

A GLAMOX COMPANY



E2D REMOTE ACCESS KIT

E2D REMOTE ACCESS KIT is a starter package that makes using the SLS (Smart Lighting Services) possible. The package includes:

- the ATLAS device (an access point) that provides remote connection to the lighting system
- an account on the SLS platform that allows for system diagnostics and management in a cloud environment

Functions

- an optional remote support service during commissioning and operating system is available to order
- control system configuration
- downloading updated lists of the statuses of luminaires in the system (once per quarter)
- location of the building on the world map
- a list of VERTEX controllers for a specific building
- general luminaire monitoring (of their number and technical condition: OK, WARNING, ERROR)

Files for installers to download:

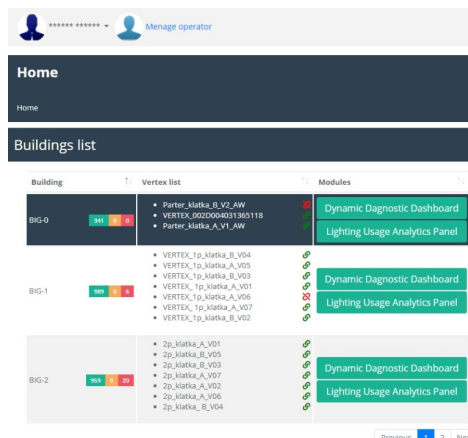
<https://www.essystem.pl/en/download/for-installers>

Requirements and additional information

- Hardware: a computer with at least Intel Core i3-3210 and 4 GB RAM or a mobile device with at least 1.4 GHz processor and 4 GB RAM
- The newest version of Google Chrome or another browser using the WebKit rendering engine
- One E2D REMOTE ACCESS KIT can be used in a system containing up to 25 VERTEX controllers
- ATLAS access point includes a built-in multirange GSM modem (2G/3G) and an integrated SIM card (card is active for 5 years since activation in the SLS)
- 5-year POLAND internet data package active in Poland
- 5-year GLOBAL package is available on request, sold and activated individually (contact a Regional Sales Manager)
- To prolong the package, please contact your ES-SYSTEM representative

SLS Platform

1. Log into the SLS platform from <http://sls.essystem.pl>
2. The list of purchased SLS packages for each building is displayed in the user view in the **Modules** column.



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E2D REMOTE ACCESS KIT - GUI main view

Welcome to ES-SYSTEM SLS v.1.0.0. Copyright ES-SYSTEM © 2019 [Terms and policy](#)

1. Buildings list
2. List of VERTEX controllers for the building
3. General monitoring of luminaires (number and technical condition: OK, WARNING, ERROR)
4. List of bought SLS packages for each buildings
5. Building location on the map of the world

ATLAS - access point for SLS services and application

Technical parameters

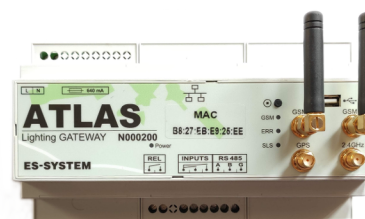
Ambient temperature	-20°C to 40°C
Power supply	230 V AC ± 10% @ 50/60 Hz
Power-on optical indication	Yes - LED
Max. current consumption	50 mA
Max. power consumption	12 W
Max. relay current	2 A
Max relay operating voltage	230 V AC
Ethernet Port	10/100 Mbit/s RJ45

Mechanical parameters

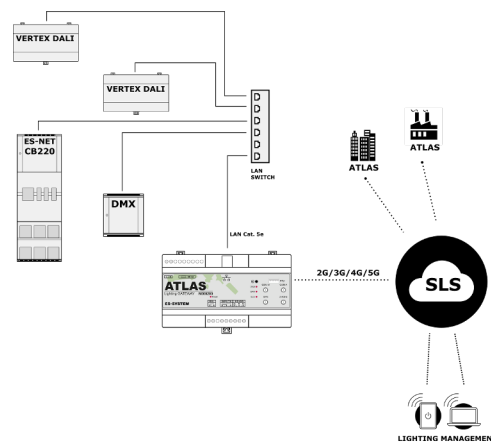
Length	160 mm
Width	90 mm
Height	58 mm
Mounting	surface
Protection class	IP20
Remarks	DIN rail mounting

Accessories (included)

2x GSM four-range antenna, male SMA angle connector	Length: 57.4 mm
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Wiring diagram



Connect an ATLAS access point to the edge LAN switch using twisted pair min. UTP Cat 5e.

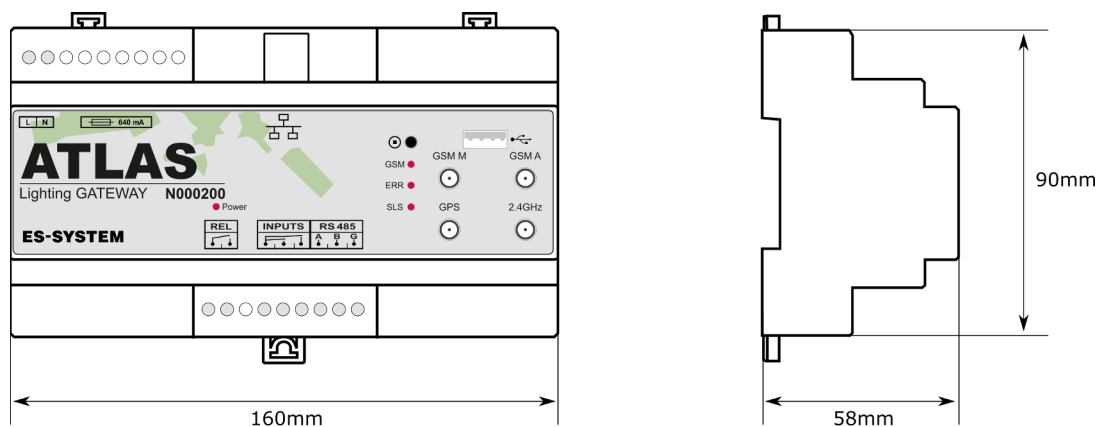
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ATLAS - dimensions and designations



Designation	Function
GSM LED (orange)	Connected to the GSM network (2G/3G)
ERR LED (red)	Internal error in the device
SLS LED (blue)	Connected to the SLS cloud
USB Port	Connect a USB stick for configuration. Connect external devices.
RS485 Port	Connect external peripheral devices
INPUTS Port	2 potential-free inputs for connecting a source of external signals
REL Port	Relay output to connect additional devices
LAN Port	Connect to the network for integration with control devices and access to the SLS cloud
GSM M antenna socket	Connect the main GSM antenna supplied with the device
GSM A antenna socket	Connect an additional GSM antenna supplied with the device
GPS antenna socket	Connect a GPS antenna. Not supplied.
2.4Ghz antenna socket	Connect a 2.4GHz (803.15.4) antenna. Not supplied.

ATLAS - start

Mount an ATLAS access point on the DIN-3 (TH35) rail in a dry and dust-free place, at ambient temperature from -20°C to 40°C. Avoid installing in metal boxes that limit radio waves propagation. Screw in the supplied antennas to the GSM M and GSM A sockets. Power up and after about 2 minutes check the GSM, ERR and SLS LEDs (see instruction below). Install an outdoor antenna if necessary. A correct connection of the ATLAS to SLS is signalled by solid light of the SLS LED.

LED	Status	Description
GSM	Solid	Acceptable GSM coverage
	Flashing	Poor GSM coverage (install an outdoor antenna)
	Off	No GSM coverage (install an outdoor antenna)
ERR	Solid	Start error
	Flashing	EEPROM data read error
	Off	Correct start
SLS	Solid	Correct connection with SLS
	Flashing	No connection with SLS