LIGHT**GRID**⁺

LightGRID+ SERIES
LightGRID+ Enterprise Software

- Web-browser Graphical User Interface (GUI)
- Customizable dashboard with multi-site status
- Geographical mapping of devices on maps or layouts
- Intuitive management of devices, groups, scenarios and schedules
- Individual and multi-site energy reports with graphs
- Customizable security roles, users and rules
- Secure multi-concurrent user logins
- Customizable site/device alarms with SMS & email notifications

SPECIFICATIONS[1]

HARDWARE OR VIRTUAL SERVER REQUIREMENTS

- 1000 or less nodes:
  - Core CPU: 2
  - Memory (RAM): 8 GB
  - Storage: 250 GB
- 25,000 nodes:
  - Core CPU: 4
  - Memory (RAM): 16 GB
  - Storage: 500 GB
- 50,000 nodes:
  - Core CPU: 8
  - Memory (RAM): 16 GB
  - Storage: 1 TB
- 100,000 and more nodes:
  - Core CPU: 16
  - Memory (RAM): 32 GB
  - Storage: 2 TB

SERVER SOFTWARE REQUIREMENTS ON LOCAL SERVER

- Windows Server 2019 (minimum) or 2022, including the latest security updates
- .NET Framework 4.8
- Microsoft IIS Web Server
- Microsoft MSMQ
- RabbitMQ

Databases installed during LightGRID+ Server Installation:

- MySQL V5.7
- PostgreSQL V14 / TimeScale V2.8.1

NETWORK REQUIREMENTS

- Port UDP 8010 (in)
- Port TCP 8001 (in/out)
- Port TCP 3306 (out)
- Port TCP 3636 (in/out)
- Port TCP 3637 (in/out)
- Port TCP 2001 (out)

TECHNICAL NOTES

- Server requires a fast Internet connection
- Maps used in plan view use Google Maps by default (Azure Maps optional). Other mapping applications are not supported.
- Compatible browsers include: Google Chrome (recommended), Microsoft Edge, Firefox, Google Chrome for Android (high definition screen). Supported browsers should be updated to the latest stable revision.

WARRANTY

- 5 year limited

Notes:
1   On-Premise Enterprise Server is a software only solution. Hardware/Virtual Server not provided.

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Current⊙

LIGHTGRID+

LightGRID+ SERIES
LightGRID+ Enterprise Software

ORDERING GUIDE

Example: WIR-SS-ESRV

CATALOG #

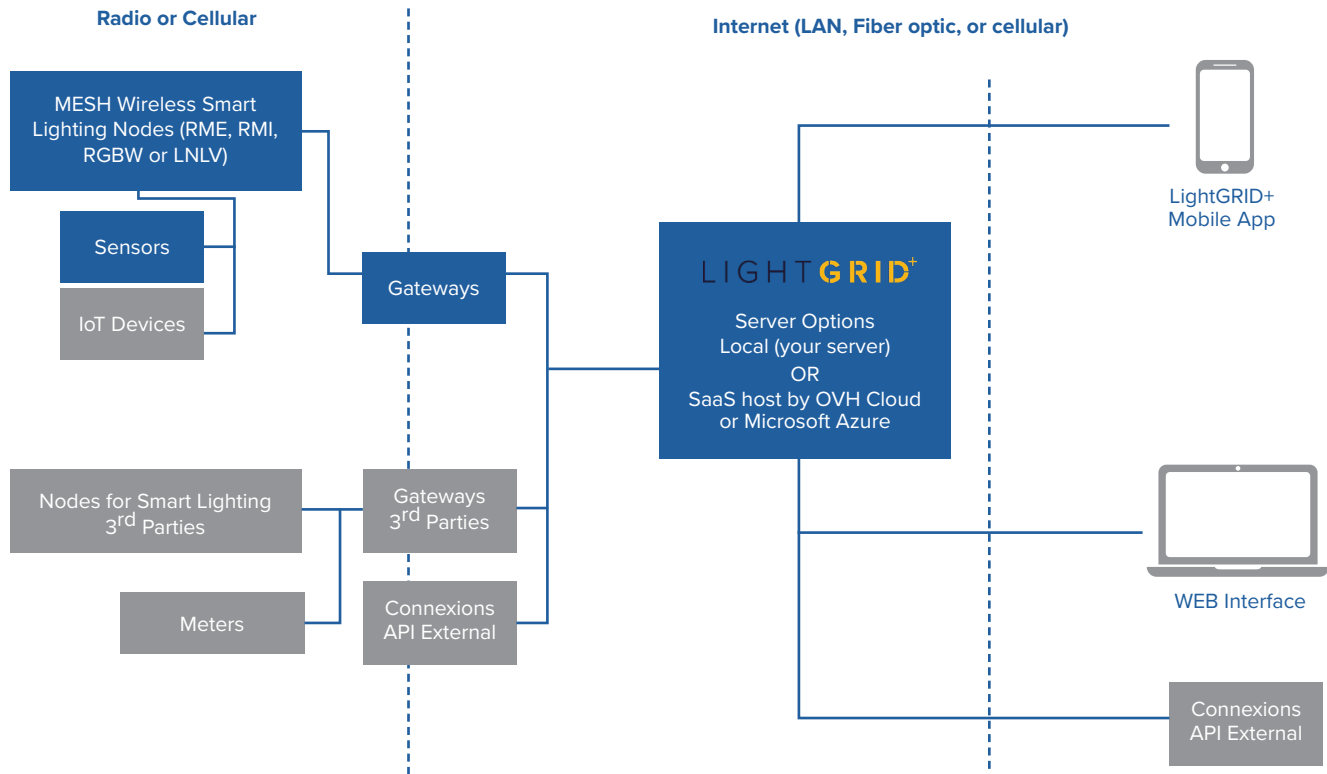| Enterprise On-Premise Server Software	
WIR-SS-ESRV	LightGRID+ On-Premise Enterprise Server (1 to 2499 nodes) - Installed on premise or cloud on system supplied by others (Windows® Server License Not Included)
WIR-SS-ESRV-2500	LightGRID+ On-Premise Enterprise Server (2500+ nodes) - Installed on premise or cloud on system supplied by others (Windows® Server License Not Included)
WIR-SS-ESRV-SETUP[1]	LightGRID+ On-Premise Enterprise Server Installation via Remote Access
WIR-SS-ESRV-NLKEY[1,2]	LightGRID+ On-Premise Enterprise Server Node License Key

Enterprise Hosted/SaaS Server Software[3]	
WIR-HST-ESRV-SETUP	LightGRID+ Hosted Enterprise Server Setup - (Nodes not included)
WIR-HST-ESRV-NLKEY[2]	LightGRID+ Hosted Enterprise Server Node License Key
WIR-HST-ESRV-MAINT	LightGRID+ Hosted Enterprise Server Annual Maintenance Fee
WIR-HST-NODE-MAINT	LightGRID+ Hosted Node Annual Maintenance Fee (Per Node)

Notes:

1. Required with the purchase of either WIR-SS-ESRV or WIR-SS-ESRV-2500
2. License key required for each LightGRID+ module
3. Software as a Service (Saas)

ADDITIONAL INFORMATION

System Architecture

Radio or Cellular

Internet (LAN, Fiber optic, or cellular)

MESH Wireless Smart Lighting Nodes (RME, RMI, RGBW or LNLV)

Sensors

IoT Devices

Gateways

LIGHTGRID+
Server Options
Local (your server)
OR
SaaS host by OVH Cloud
or Microsoft Azure

LightGRID+ Mobile App

Nodes for Smart Lighting 3rd Parties

Gateways 3rd Parties

Meters

Connexions API External

WEB Interface

Connexions API External

LG-Plus_GLI_WIR-ENTERPRISE_SPEC

LIGHTGRID⁺

LightGRID+ SERIES
LightGRID+ Enterprise Software

System Deployment

Cloud/ Premise Enterprise Servers

LightGRID+ Enterprise Management

LAN/WAN

Gateway

Wireless Smart Relays

Matrix

Diagram Key
- LightGRID+ Wireless
- Passive Infrared Sensor

Wireless In-Fixture Controls - Campus

Viper

Wireless On-Fixture Controls - Roadway

Sling

Wireless In-Fixture Controls - Parking Lot

Current

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