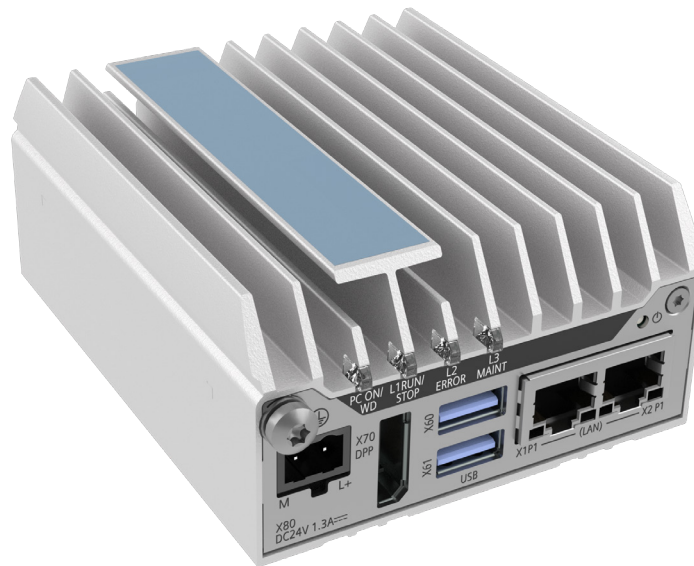


Site Gateway LCN7960

Specification sheet



The Site Gateway is a communication hub that runs a local software application to monitor and configure a dynamic LED lighting system. Optionally, the Site Gateway can connect the lighting system to interact cloud services for landmarks and professional sports venues.

Product description

The Site Gateway operates on the Siemens Simatic IPC BX21-A computer platform and host a local software application that can be used to monitor and reconfigure the lighting system. It also allows to connect the lighting system with Interact cloud services to remotely monitor, configure, and control the lighting system.

Features

The Site Gateway runs a local software application to enable the following features:

- Scan the local lighting network to view the health status of lighting controllers, power/data supplies, and fixtures.
- Reconfigure the local lighting devices and control equipment.
- Run schedule for scan and light control operations.
- Connect with Interact cloud services to remotely:
 - Monitor and reconfigure supported local lighting devices and control equipment.
 - Control lights and configure supported Pharos and Color Kinetics lighting controllers.
 - Integrate with third party software applications through Interact developer APIs.

Note

- Monitoring and configuration features require a valid software license which needs to be purchased separately.
- Internet connection is required to enable Interact cloud services.
- Monitoring and configuration features differ for each device type. For more information, refer to the software documents.

Benefits

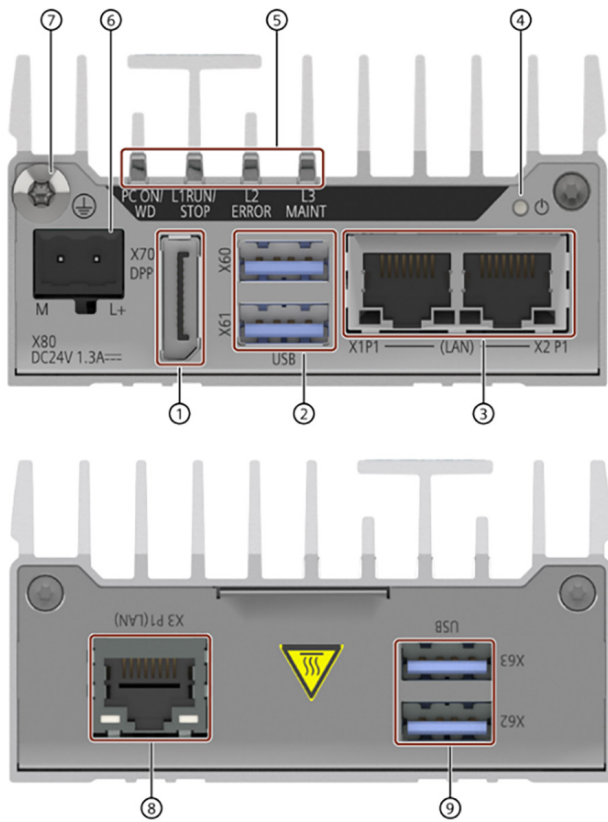
The following list provides the benefits of Site Gateway:

- Helps to detect faults quickly to minimize downtime of the lighting system.
- Allows the lighting experts to do remote operations with which the operational cost is minimized.
- Allows to control the dynamic lighting scene and show content remotely.
- Allows to integrate with other remote software applications to control the scene and show content.

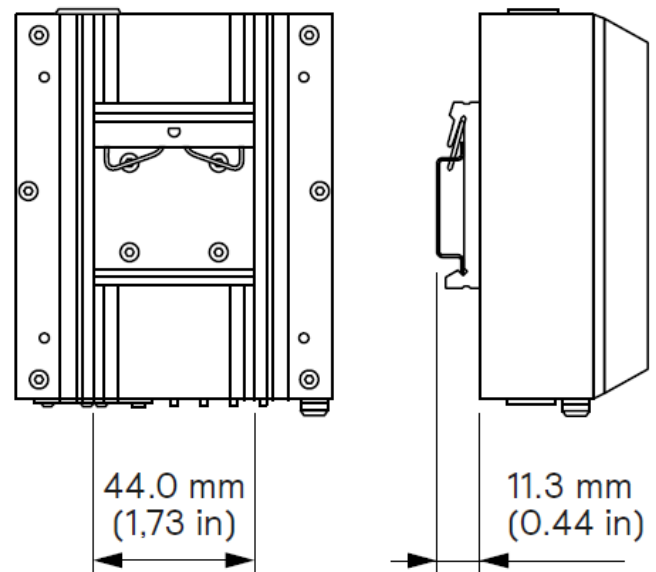
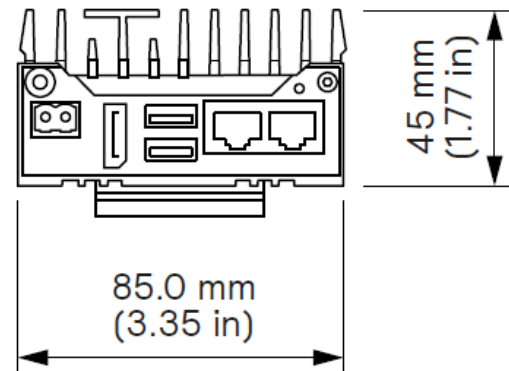
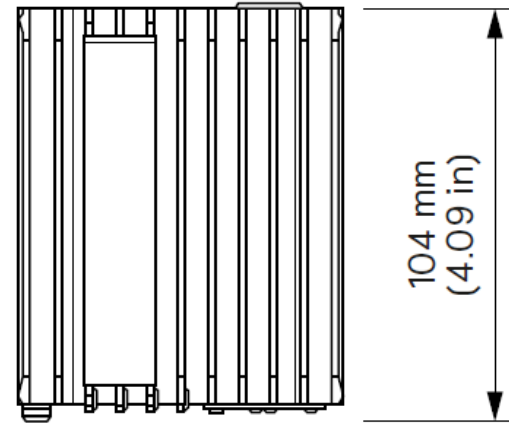
Refer to the following URLs to learn more about the related Interact applications:

- <https://www.interact-lighting.com/global/application-areas/city>
- <https://www.interact-lighting.com/global/application-areas/sports>
- <https://www.developer.interact-lighting.com>

Product overview



Dimensional diagram



Callout Parts description

| | |
|---|--|
| 1 | 1 x Display Port connection (X70) |
| 2 | 2 x USB 3.1 port, high current (X60, X61) |
| 3 | 2 x RJ45 Ethernet 10/100/1000 Mbps (Lighting and Internet ports) |
| 4 | Power button |
| 5 | LED display signals |
| 6 | Connection for a 24 V DC power supply (X80) |
| 7 | Protective conductor connection |
| 8 | 1 x RJ45 Ethernet connection (X3P1) for 10/100/1000 Mbps |
| | Note Currently this Ethernet connection is not in use. |
| 9 | 2 x USB 3.1 port, high current (X62, X63) |

Technical specifications

Electrical

| | |
|---------------------------|---|
| Input voltage | DC voltage 24 V (19.2 to 28.8 V) |
| Current consumption | Maximum 1.3 A |
| Protection class | Safety class I (protective conductor must be connected to the device) |
| Typical power consumption | 21 W |
| Overvoltage category | II |

Computer

| | |
|---------------------|---|
| CPU | Intel Atom® x6413E Processor: Quad Core, 1.5 GHz, burst frequency 3.0 GHz |
| Memory | 8 GB LPDDR4 SDRAM |
| Storage | 128GB Eco SSD |
| Graphics controller | Intel® Integrated UHD Graphic Controller |
| Ethernet | 3 x Gigabit Ethernet interface - Marwell 88E1512 (only 2 in use) |
| USB | 4 x USB 3.1 Gen2 (900 mA) |
| Display | 1 x Display Port++ |
| Keyboard/mouse | Via USB port |
| Buttons | Recessed power button |

Physical characteristics

| | |
|--------------|---|
| Net weight | Approximate 450g (0.99 lb) |
| Dimensions | 104 x 85 x 45 mm (4.09 x 3.34 x 1.77 in) |
| Installation | DIN-rail mounting (accessory included) |

Environmental characteristics

| | |
|------------------------------|---|
| Operating temperature | 0 °C to 50 °C (32 °F to 122 °F) |
| Temperature during transport | -40 °C to +70 °C (-40 °F to 158 °F) |
| Degree of protection | IP40 in accordance with IEC 60529 |
| Environment | Indoor/Dry location |
| Operating relative humidity | Up to 85%, no condensation Gradient ≤ 10°C/h |
| Transport relative humidity | Up to 95%, no condensation Gradient ≤ 20°C/h |
| Noise emission | < 55 dB(A) according to DIN 45635-1 |
| Pollution degree | 2 |

Standards and certifications

| | |
|---------------|--|
| Safety | <ul style="list-style-type: none"> • ICES-003 • UL61010-1 • UL61010-2-201 • CAN/CSA 61010-1-12 • CAN/CSA 61010-2-201 • CNS14336-1(099/09/30) • CNS15936(105) generic standard • FCC Part 15, Subpart B |
| EMC | <ul style="list-style-type: none"> • EN IEC 61000-6-1 • EN IEC 61000-6-2 • EN IEC 61000-6-3 • EN IEC 61000-6-4 |
| Green product | RoHS |



Ordering data

| Commercial product name | MOQ | Ordering code |
|-------------------------|-----|----------------|
| LCN7960/00 Site Gateway | 1 | 9137 010 73903 |

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R01, 10 September 2024