# Edge Gateway
## (EE-01)

Enlighted
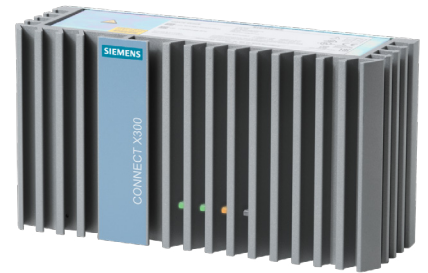
The Enlighted Edge Gateway appliance hosted on the Siemens Connect X300 appliance device is installed in buildings utilizing the Enlighted system. The Edge Gateway offers an enhanced BACnet stack with an improved data-point hierarchy and naming convention nomenclature. The MQTT communication protocol allows sharing data collected by the Enlighted system with third-party data collection servers. The Edge Gateway facilitates low-latency interfacing with on-premises third-party systems and enhances on-premises Manage or Manage in the Cloud (EMC) installations.

## OVERVIEW

The Enlighted Edge Gateway is a software component, available initially hosted on the appliance device Siemens Connect X300, to be installed on the customers' premises and on which the Edge Gateway software will be loaded and run. Later releases of the Enlighted Edge Gateway will include software-only versions for installation on customer-provided hardware devices.

On the X300, all software for the Enlighted Edge Gateway is loaded and maintained from the Siemens Cloud. Following the physical installation of the X300 device, a simple registration process is required to connect the X300 to the Software Subscription Service Management Cloud for downloading the Enlighted Edge Gateway software to the X300.

## FEATURES

### System Functionality Enhancements

- Provides MQTT telemetry data streams from Enlighted System to customer's data repositories
- Enables Manage migration to Cloud (EMC) while maintaining support for on-premise Building Management System (BMS) integration via BACnet/IP
- Enlighted Edge Gateway allows for an on-premise Manage deployment to be shifted to a Manage in the Cloud (EMC) deployment
- Provides low-latency lighting control from third-party systems such as KNX switches
- Integrates with Siemens Desigo Room Automation via BACnet/IP
- Cloud-based services can be offered to on-premise Manage customers if they do not want to switch to Manage in the Cloud (EMC)
- Enhances the Manage Lighting portfolio performance
- Enables Cross Gateway communication of Switch and Motion Groups
- All of the above offered modules can be enabled or disabled as per license agreement

### Third-party Integrations

- Enhanced BACnet stack optimizes BMS integration
- Supports interfaces, such as
  - KNX Switches
  - View Smart Glass (electronic tinting windows)
  - IBM Cloud
  - JCI Metasys
  - Dry Contact Closure

### Requirements

- 24 VDC Power Supply
- DIN Rail Mounting
- Ethernet connection for Manage and Enlighted Gateways
- Internet connection for setup and updates



Enlighted Edge Gateway on X300 Appliance

| Width | 7.52" | 191 mm |
| Height | 3.94" | 100 mm |
| Depth | 2.36" | 60 mm |
| Weight | 3.5 lbs | 1590 g |



HDR-60-24 Edge Gateway Power Supply

### ENLIGHTED SPECIFICATION SUBMITTAL

Job Name:

Job Number:

Product Codes:

☐ EE-01

☐ HDR-60-24

☐

# Edge Gateway
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184 (7.24")

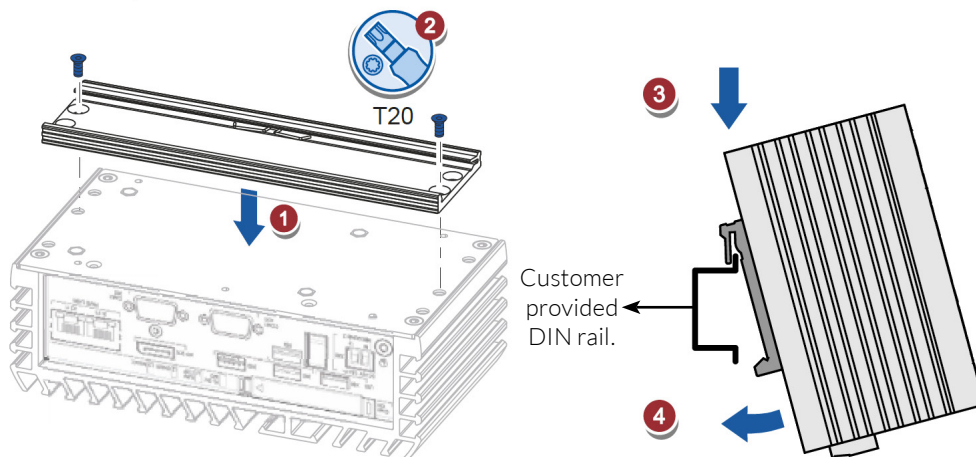191 (7.52")

35 (1.38")

100 (3.94")

50 (1.97")

8.5 (0.33")

60 (2.36")
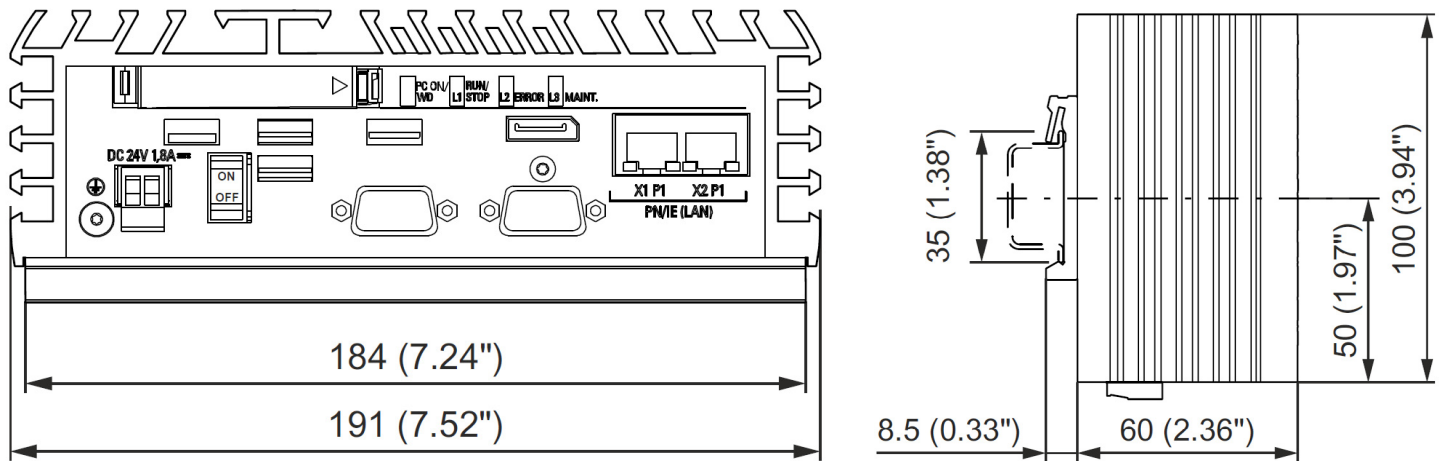
Dimensions in mm and inches

## WALL MOUNTING (DIN RAIL NOT INCLUDED)

Make sure the substructure can bear four times the total weight of the device.



T20

Customer provided DIN rail.

Tighten the screws firmly (max. torque 5Nm/3.7 lbf ft).

## TECHNICAL SPECIFICATIONS

**Operating System:** Embedded Linux

**Operating Voltage:** DC 24 V

**Air Humidity:** 5...85% at 30° C (86° F)

**Operating:** 32° to 122° F / 0° to 50° C

**Power Consumption:** Max. 1.8A/43W at DC 24V = Typically 510 mA/13 W

**Enclosure:** Ruggedized aluminum

**Weight:** 3.5 lbs/1590g

## ORDERING INFORMATION

EE-01 — Edge Gateway Appliance. Includes perpetual license to the Enlighted Gateway Edge Software and one-year software upgrade subscription.

HDR-60-24 — Edge Gateway Power Supply (component to be ordered or provided by the customer)

## COMPLIANCE

Europe — CE RoHS REACH

United States — FC UL LISTED

Canada — c UL LISTED

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**WARRANTY**: 5 years
View www.enlightedinc.com/limited-warranty-terms for complete terms and conditions.