



Specially designed by Setra, the SetraEDGE is highly a configurable and reliable gateway for communicating a variety of sensor and instrumentation inputs devices to Setra's CEMS software. The SetraEDGE form factor and thoughtful design allow for a simple, efficient, and discrete installation.

With two individual ethernet ports (ETH0 and ETH1) along with Wi-Fi or Cellular options, the EDGE has the flexibility to be deployed in even the most complex network configurations. The platform can operate on two networks at the same time, such as the management network and automation network

A user accessible reset switch can be used to restore the device to factory default settings.

SetraEDGE 2.0

Communication Between
Environmental Sensing & Setra
CEMS Software

Features

- Quad-core 1.2.GHz Broadcom 64-bit CPU
- 1 GB RAM
- 10 GB eMMC flash
- Dual individual (non-switched) 10/100 Ethernet ports
- 24 VAC/VDC +/-10% 4-pin power input connector
- 0-60° operation
- Din-rail or panel-mount metal enclosure
- FCC, RoHS and CE compliant
- Wi-Fi and Cellular options
- BACnet/IP Client. Supports advanced functions such as ReadPropertyMultiple and COV.
- 21 CFR Part 11 Compliant
- Linux Operating System

Included with the SetraEDGE

- SetraEDGE

Applications

- Medical Device Manufacturing
- Pharmaceutical Manufacturing
- Compounding Pharmacies
- Cleanrooms
- Operating Rooms
- Patient Isolation and Treatment Rooms
- Pharmaceutical Labs and Blood / Tissue Banks
- Data Centers
- Vivarium
- General HVAC



Specifications

Physical Description

Dimensions	4.0" x 4.8" x 1.6" [100 x 122 x40mm]
Mounting	TS-35 DIN-rail
Weight	1 lb.

Communications

Hardware	Optically Isolated EIA-485, Ethernet
Protocols	Ethernet, WIFI 802.11, Cellular, EIA-485
WIFI	2.4 GHz and 5.0 GHz IEEE 802.11ac
Ethernet Communication	10-BASE-T, 100BASE-TX 100m CAT5e cable length Dual Ethernet Ports (ETH0 and ETH1)
Cellular	LTE-M/NB-IoT: LTE-FOD: B1[2100], B2[1900], B3[1800], B4[1700], B5[850], B8[900], B12[700], B13[700], B18[850], B20[800], B26[850], B28[700] LTE-TDD: B39[1900] (LTE-M only) GSM, EDGE, GPRS: 2G Frequency Bands: GSM850, EGSM900, DCS1800, PSC1900 Verizon, AT&T

Environmental Data

Operating Temp. °F (°C)	32 to 140 (0 to 60)
Storage Temp. °F (°C)	32 to 140 (0 to 60)
Relative humidity	10% to 95% (non-condensing)
Protection	IP30

Certifications

CE	LVD (EN61010-1), EMCD (EN61326-1), RoHS
FCC	FCC Part 13 class B
BACnet	Device profile B-ASC Protocol-Rev 14

Electrical

Power	24 VAC/VDC ±10% 4-pin power input connector for earth and redundant power connections	10–36 VDC 6W
Power Draw		17W max, 4W typical, 17W max
LEDS	PWR STATUS ETH (S) ETH (L)	Green = Power OK Green = Boot up complete Green = 100 Mbps communication established Yellow = 10 Mbps communication established Green = Link Flashing = Activity

Connections

BACnet/IP	Ethernet CAT5 cable
MS/TP	2 or 3 wire conductor
Cellular Antenna	2x SMA male

SetraCLOUD Data*

Website	Software as a Service – https://cems.setra-cloud.com
Acceptable Browser	Edge, Chrome, Firefox, Safari
Language(s)	English
Data Retention	2 Years
Communication Protocol	MQTT, HTTPS
Alarm/Warning Notification	Dashboard alarm widget, Email/SMS notification, Configurable Alarm
Reporting	PDF, CSV, XLSX, DOC
Validated Software Features	IQ OQ Documentation, Report Validator, Sessions, User Signoffs
Reference Statements Upon Request	CEMS Product Security Statement Electronic Signature Compliance with 21 CFR Part 11
Infrastructure Deployment	Cloud, On-premises

*SetraCLOUD Data specifications are associated with a SetraCEMS Software Cloud license and do not come standard with the SetraEDGE hardware.

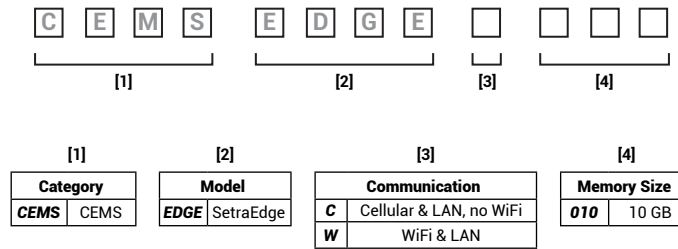
Web Portal

Website	setraedge.local
Acceptable Browsers	Edge, Chrome, Firefox, Safari
Language(s)	English
Communications	10/100 Mbps Ethernet or WIFI

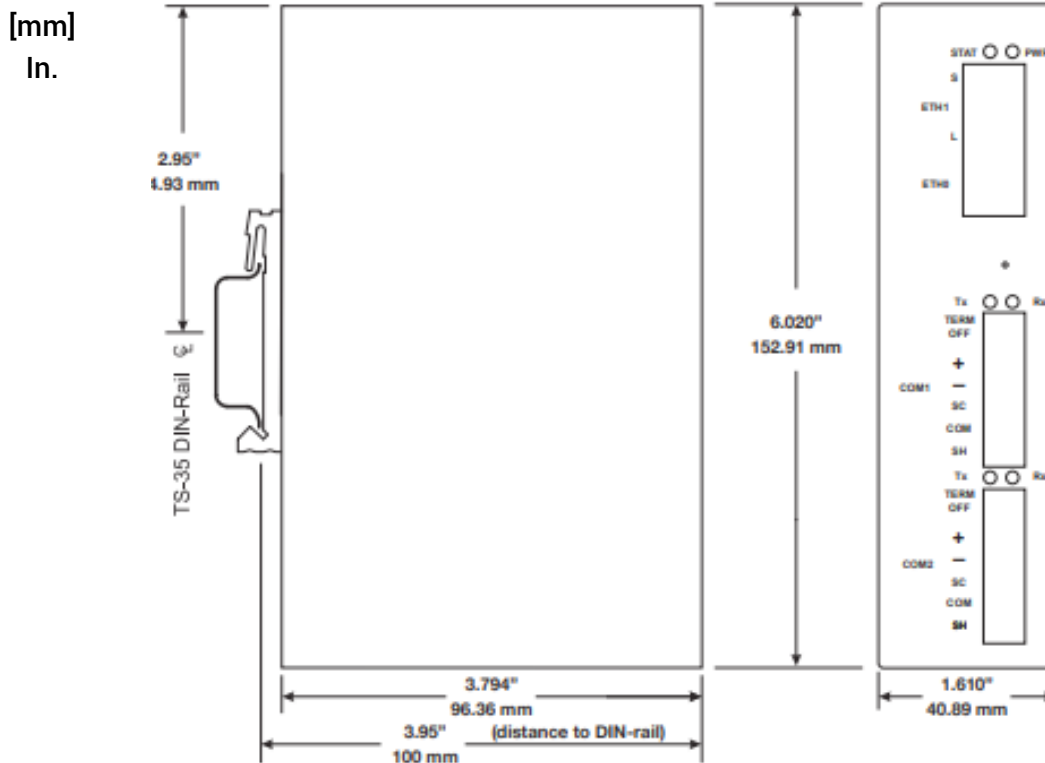
Ordering information

Example part number: CEMS-EDGE-C-005

CEMS Edge with Cellular & LAN Communications and 10 GB Memory



Dimensions





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