

IONX Connect™ Asset Monitoring System

Series 1 CMU-135 for Locomotives



Give your locomotives an extra boost of on-board intelligence with the IONX Connect™ asset monitoring system, the total solution to help you enforce operating rules and better track and manage your most valuable rail assets. The IONX Connect CMU-135 can help fleet managers control costs and optimize asset utilization while improving crew safety and efficiency.

CMU-135 Features:

- Global Positioning System (GPS) location of remote assets via cellular communication
- Secure web-based tools from which to view asset information
- Multiple sensor options available
- Consolidated view of all locomotives
- Monitoring of locomotive health and crew performance
- Capable of integration with select on-board systems

Reporting:

- Excessive idle times with immediate violation alerts
- Location, direction and speed
- Engine run and temperature
- Voltage level
- Fuel use tracking, including refuel locations and amounts
- Man down (optional for remote control equipped locomotives)
- Speed violations
- Improper yard handling via internally mounted accelerometer



To learn how the IONX Connect™ asset monitoring system can help improve fleet performance, call 484-653-2619.

IONX
information from the edge™

484-653-2600 • ionxlive.com

Physical specifications:

Dimensions:	L 10.1" × W 8.3" × H 3.1" (25.7 cm x 21.1 cm x 7.9 cm)
Weight:	4.2 lb (1.9 kg) without mounting plate

Electronic specifications:

Backup Power Supply:	Transmit up to 350 messages
Operating Voltage:	74 V DC (30 V – 90 V DC) at 2 A peak
I/O Ports:	RS-485 intelligent sensor bus

Sensors:

Temperature:	Analog -13 °F to 212 °F (-25 °C to 100 °C)
Open/Close:	Digital
Circuit Closures:	Digital
Accelerometer:	Analog ±10 G, 3-axis with data recorder
Fuel Level:	Via industry standard pulse output

Environmental specifications:

Operating Temperature:	-13 °F to 140 °F (-25 °C to 60 °C)
Humidity:	5% – 95%, non-condensing
Shock:	50 G peak, 11 ms pulse
Vibration:	7.64 Hz – 200 Hz, 1.5 G peak



About IONX LLC

Headquartered in West Chester, Pa., IONX LLC is a developer of ultra-low power telematics solutions for railcars, locomotives and vehicles, providing GPS tracking, asset status and condition monitoring. The IONX Edge™ and Connect™ asset monitoring systems use both a satellite and a cellular network for reliable global communications services. IONX LLC is a business unit of Amsted Rail, a division of Amsted Industries Inc.



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