

Aircore EC IoT Module Preliminary Datasheet



loT Kit

Catalog Number

Ordering Description

IoT-XD1-ATT Xbee LTE Cellular Plug-in Module SIM Card Cellular Plan (AT&T)

Overview

The optional IoT module provides static as well as real-time operational motor information. This IoT module utilizes an FCC-certified Digi Xbee® 3 hardware platform that communicates with a cloud-based application via a cellular (4 G LTE-M) transceiver. End-to-end encryption, authentication and integrity are provided via the Digi module. The module is installed inside the motor on the Communication I/O Board and is accessible via the rear access panel. The user-deployed cloud tool is provided by Infinitum. The refresh rate for the IoT data is user configurable using Infinitum Motor Control Software for low system overhead.



Digi Xbee 3 IoT Module

Data Plan

Pay per Use plan included, Unlimited with 15-minute refresh rate interval.

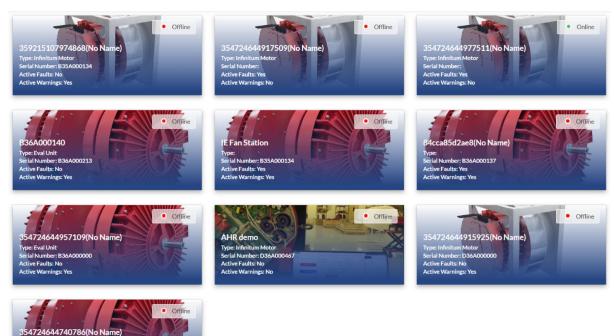
Cloud-based Dashboard Features

Summary	Motor Information, Connectivity Status, Recent Notifications, Operational Status, Real Time Performance, Environmental Information, Electrical Actuals, Lifetime Data, I/O Values, Faults, Location (Map and Satellite Imagery)
Charts	Live as well as historical data. Includes: I/O, Electrical, Power, Temperature from all sensors, and Speed. Charts are user programmable and exportable.
Alert Management	Rules for alert types, trigger conditions, frequency, repeat cycles and contact information. Includes trigger test alerts.
Service Records	Creation, Description, Comments, Attachments
Alerts and Notifications	Time, Message, Acknowledgement (Exportable)
Configuration	Site Name, Location, Description, Labels
Controls	Last MCU Heartbeat, Last Radio Heartbeat, Last Ping from MCU, Last Ping from Radio, Refresh MCU, Ping Radio, Ping MCU

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Dashboard Screen Images

View Devices



Device Summary

12	Overview		Connectivity	Recent Notifications
ings	STOTION .		Constanty	Bulan reconcentera
	Site Name Description AHR demo IES180-	IEST80-10HP Motor located in Infinitum	Online Lost Activity. Jon 30, 2021 2 12 PM	Alert [Julius: STANTED] (Warehouse Demo). Output Torque has me above 1 Nm. The current value to 1 0629 Nm.
		Office.		Alert, [Motor SLARTLD] (Warehouse Demo): Output Torque has riss above 1 Nm. The current value is 1.2309 Nm.
	Sacial Number D36A000467	Matter Madel 1802	 Excellent Signal Strength (57 dB) cast Beeding. Jac 30, 2021 212 PM 	Alert (Mather STARTFD) (Warehouse Domo): Output Torque has rise above 1 Mm. The nument value is 1.1899 Nm.
	Radio Version 20200924.0	Tion Fermente 2.9		Alert [Motor STARTLD] (Warehouse Demo), Output Torque has rise above 1 Mm, The current value is 1.0599 Nm.
	Inverter Firmware 3.4	Motor Type No Data		Alert (Motor STARTST) (Warehouse Demo): Output Torque has rise above 1 Nex. The current value is 1.0459 Nm.
	Device 10 354724641658460	Device Types Infinitum Motor		



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