

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 plat-form 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.

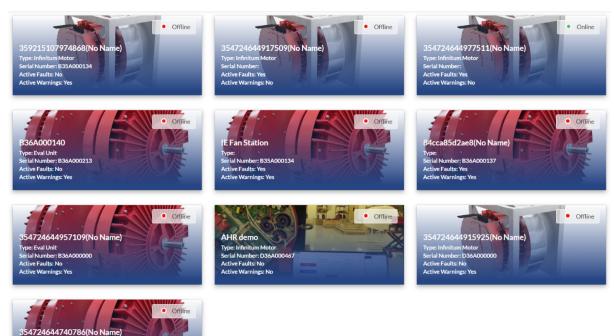
Cloud-based Dashboard Features

| 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) | |
|---|--|--|
| Live as well as historical data. Includes: I/O, Electrical, Power, Te Charts from all sensors, and Speed. Charts are user programmable an exportable. | | |
| Alert Management Rules for alert types, trigger conditions, frequency, repeat cycles contact information. Includes trigger test alerts. | | |
| Service Records | ecords 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

| • | AHR demo Summary Charts Mai | nage Alerts Service Records | Alerts & Notifications Configuration Controls | KBack To My Devices |
|----------------------------------|---|--|---|--|
| View Devices Account Settings | Overview Site Name AHR demo | Description IES180-10HP Motor | Connectivity Online Last Activity. Jan 20, 2020 212 PM | Recent Notifications Alet [Note: STATLD] (Waterbouse Demo): Output Torque has risen able: 1 Nn: The current value is 10 2029 Nm. |
| | Sarial Number D36AD09467 | located in Infinitum Office. Motor Model 1802 | Excellent Signal Strength (57 dB) Lost Beeling, Jan 38, 2027 273 PM | Allert (Motor STARTLD) (Waterhouse Demo). Output longue has noen above 1 Nm. The current value is 1 2000 Nm. Allert (Matter STARTER) (Waterhouse Demo): Output Tongue has risen above 1 Nm. The current value is 11 306 Nm. |
| | Radio Veniion 20200924.0 Inverter Firmware 3.4 | Tive Firmware 2.9 Motor Type No Data | | Allert [Motor STARTLD] (Warehouse Demo). Output longue has risen above 1 Nm. The current value is 1.0509 Nm. Allert [Motor STARTED] (Warehouse Demo): Output Torque has risen above 1 Nm. The current value is 1.2409 Nm. |
| | Dente ID 354724641658460 | Device Types Infinitum Motor | | |



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