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Datasheet

Aircore EC
IoT Module

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.

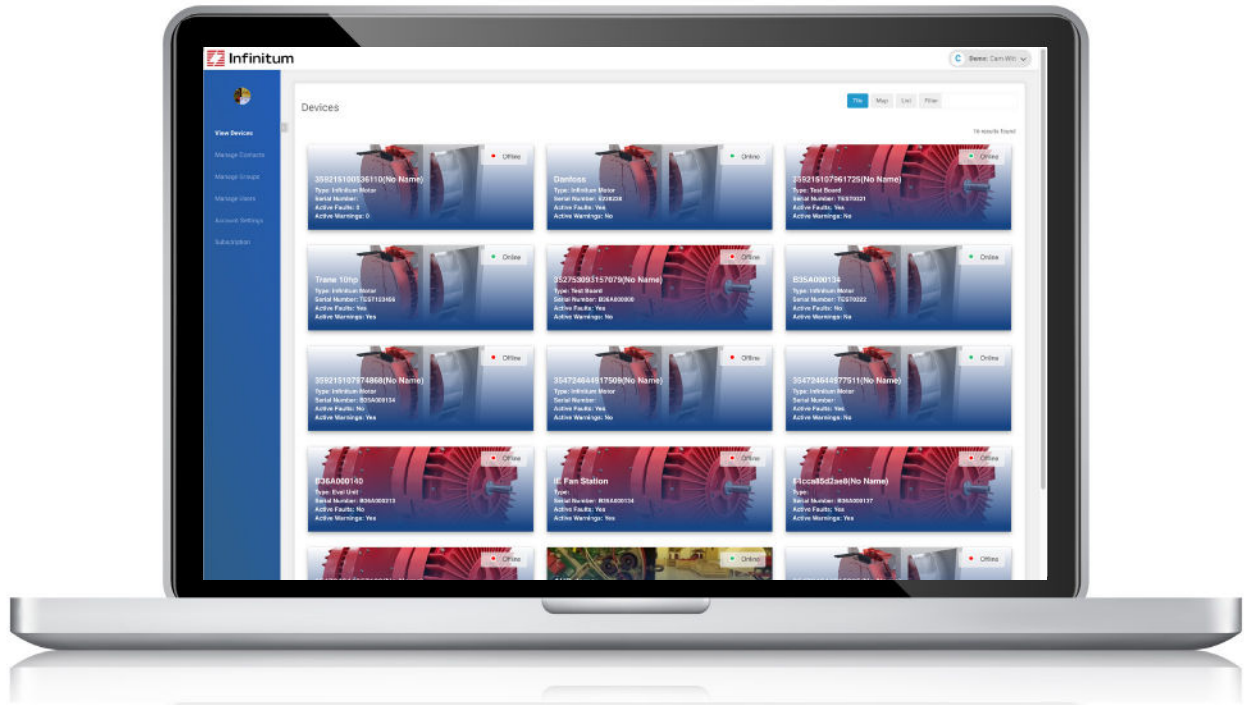| IoT kit	
Catalog number	IoT-XD1-ATT
Ordering description	Xbee LTE cellular plug-in module SIM card Cellular plan (AT&T)

Digi Xbee 3 IoT Module

Data plan
Pay per use plan included, unlimited with 15-minute refresh rate interval.

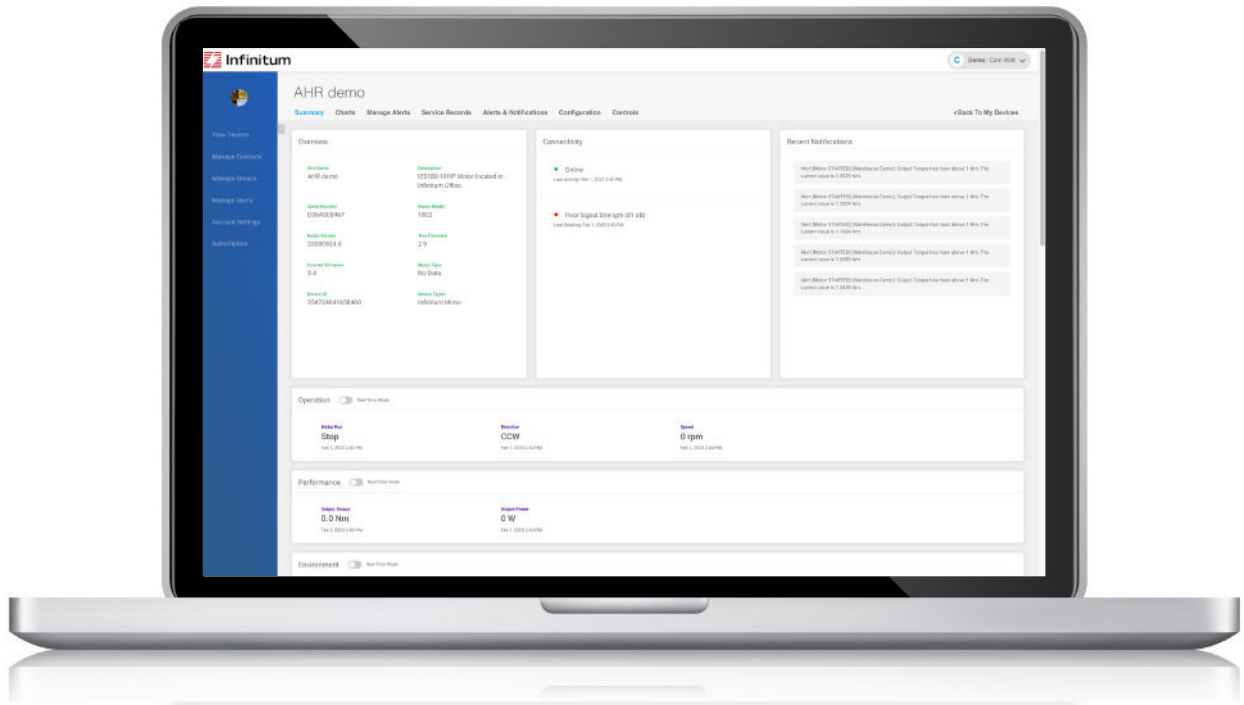| Cloud-based dashboard features	
Summary	Motor information, connectivity status, recent notifications, operational status, real time performance, environmental information, electrical actuals, lifetime data, I/O values, faults, location (map and satellite imagery)
Charts	Live as well as historical data. 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

IoT web portal

Select device

Device summary

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Office
106 Old Settlers Blvd
Suite D106
Round Rock, TX 78664

Contact
info@goinfinitum.com
goinfinitum.com
support.goinfinitum.com