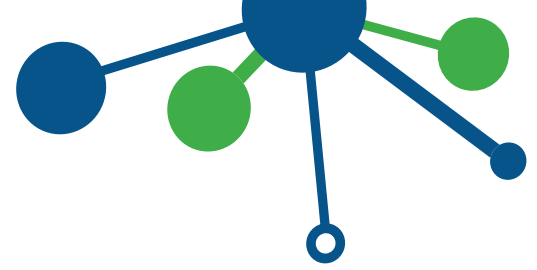


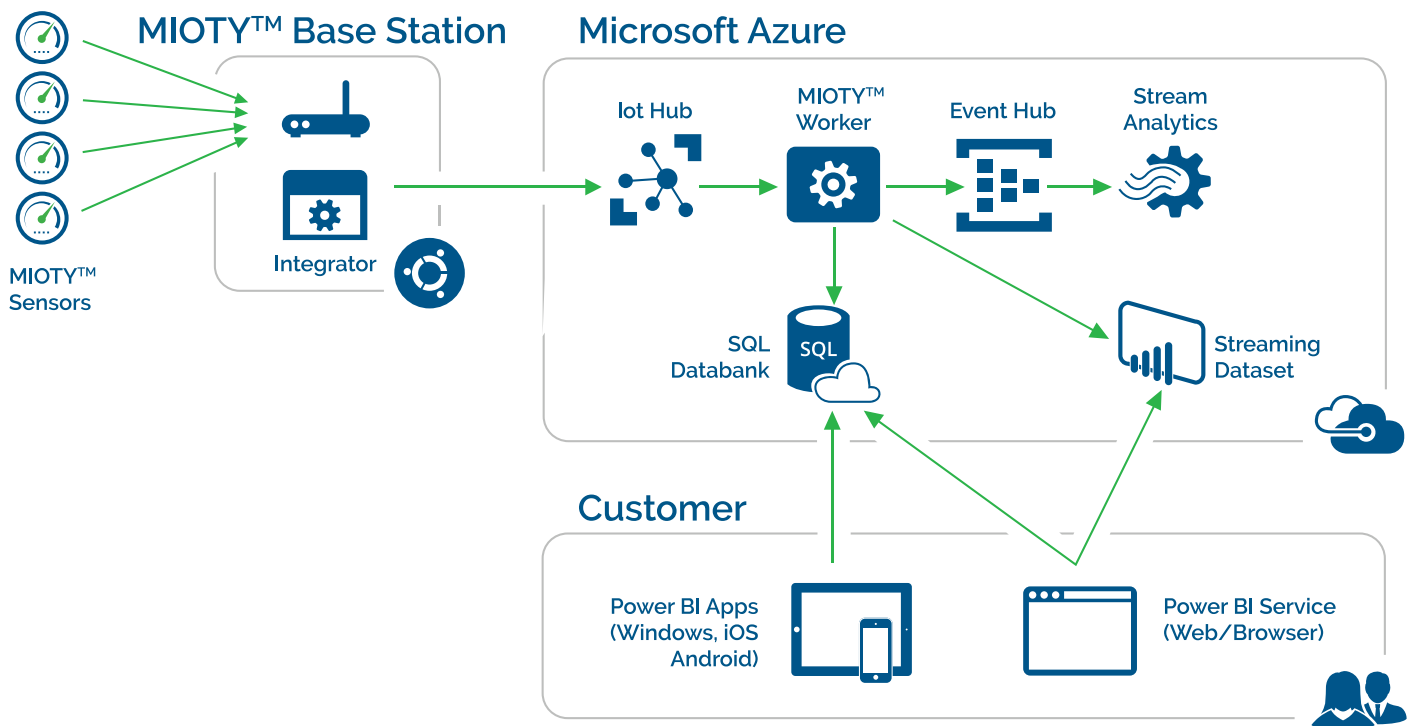
# MIOTY™ From BTI

## 1.0 Starter Kit with Azure



MIOTY™ from BTI - 1.0 Starter Kit with Microsoft AZURE promises to deliver an end-to-end solution for the industrial marketplace and offers the unparalleled ability to cost effectively capture and process massive amounts of IoT data on a wireless network.

## MIOTY™ Azure Cloud Integration



**BTI**

# MIOTY™ From BTI 1.0 Starter Kit with Azure Specifications

## MIOTY™ System Parameter

Parameter	Description
Range	5 km (Dense Urban) - 20 km (Rural)
Technology	Ultra-Narrow Band
Frequency	915 MHz (North America), 868 MHz (Europe), License Free ISM Spectrum
Link Budget	154 dB
Data Rate	2.4 kBit/s
Telegram size	Flexible 10 - 245 Byte (User Data)
Interference Immunity	No system degradation at high in-band interference (up to 40%)
Mobile Operation	Support data transmission from moving objects with up to 120 km/h speed
Network Capacity	1.5 million messages/day @ 200kHz bandwidth > 65,000 messages/hour per MIOTY™ RF Frontend Module, by far the largest throughput in the industry
Communication Standard	ETSI TS 103357

## MIOTY™ Base Station Parameters

Parameter	Description
Waveform	Mioty™ ETSI TS 103357
Gateway	Advantech ARK-2250L
Receiver	Software Defined Radio Frontend
Cloud connector	Integrated cloud connector to support Microsoft Azure
Supported OS	Ubuntu

## MIOTY™ Sensor Parameters

Part Number	Parameter(s)	Description
STI-TE01	Temperature	Senses temperature (-40°C to 85°C, +/- 0.5°C)
STI-HU01	Humidity	Sensor humidity (0% - 100% RH, +/- 3% RH)
STI-PR01	Pressure	300 hPa to 1100 hPa +/- 1.0h Pa
STI-VI01	Vibration	3-axis, +/- 8.0 g
STI-DI02	Digital	Two-channel, contact closure discrete input
STI-AI02	Analog	Two-channel, 12-bit, 4-20ma analog input for industrial applicaitons