N4 LoRa Driver

Description

The LoRa Driver can be used to provide a fast and simple interface to a LoRa based system of devices. The driver can be used from any Niagara Station (Web Sup / JACE / 3rd Party Controller) to a Milesight LoRa WAN Gateway (such as UG65). This includes Milesight Gateways on a local a LAN or via a remote cellular connection.

The driver is designed to simplify the integration of LoRa networks into Niagara providing automatic discovery of devices and points without having to manually setup and decode JSON payloads.

The driver will support 'known' devices and also support new / unknown devices by allowing you to manually decode the JSON payloads.

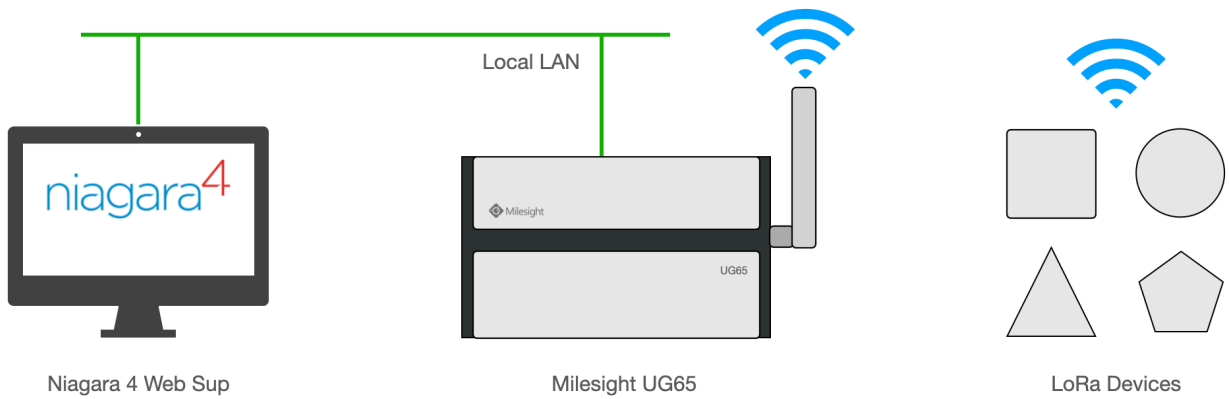Automatically Supported Devices Include:

- Adeunis Pulse Counter

- ElSys CO2 Lite (3 in 1 Air Quality Sensor)

- Milesight AM319 (9 in1 Air Quality Sensor)

- Milesight EM300 MCS (Door / Windows Sensor)

- Milesight EM300 SLD/ZLD (Water Leak Sensor)

- Milesight EM300 TH (Temp / Hum)

- Milesight TS101 (Insertion Temp Sensor)

- RAK 7431 (Modbus RS485 Bridge)

Other LoRa devices are supported by a custom JSON decode (these are provided by each manufacturer for specific equipment types). New device types can be added to the drivers pre-loaded library to make your integration projects even faster.
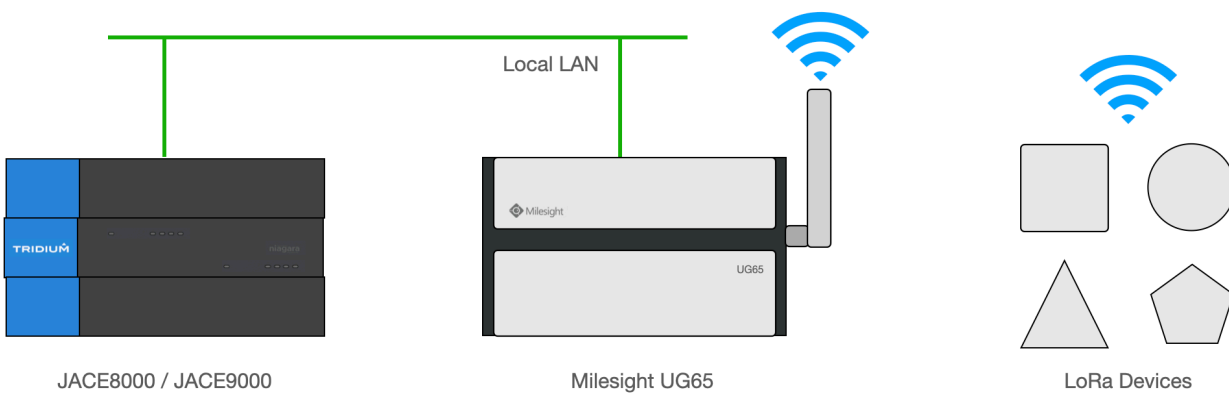
Specification

Niagara 4 Support	Niagara 4.10
	Niagara 4.11
	Niagara 4.12
	Niagara 4.13
Platform Support	Web Supervisor
	JACE8000
	JACE9000
	Tyrrell eBMS IoT Range
	Honeywell CIPer
	iSMA MAC36
	Lynxspring EDGE 534 / 514
	Phoenix Contact ILC
	*via Milesight LoRa Gateway
Brand Support	Tridium / Centraline / Distech / Honeywell / JCI / Schneider / Trend
License Options	Point Licenses
	Requires Global Points*
Software Maintenance	All new purchases support the current release and next release of Niagara 4

Schematic Example 1 (Web Supervisor - Milesight UG65 Gateway (Local LAN)

Local LAN

Niagara 4 Web Sup

Milesight UG65

LoRa Devices

Schematic Example 2 (Niagara Enabled Controller - Milesight UG65 Gateway (Local LAN)

Local LAN

JACE8000 / JACE9000

Milesight UG65

LoRa Devices

Schematic Example 3 (Cloud Based Niagara 4 - Remote Milesight UG65 Gateway)

Cloud Based Niagara 4

Milesight UG65
Cellular Enabled

LoRa Devices

Rev 1