

# IONA-I Niagara 4 Controller Intel - LoRa



**IOT Controller / Intel / LoRa**



## Description:

- IONA-I Niagara 4 Controller Intel is an official Tridium portability device powered by Niagara 4. Designed for applications in OEM plant control, IoT deployments, smart buildings and edge to cloud analytics. The Controller comprises a complete set of onboard IO, wired & wireless interfaces. It provides easy integration and powerful interfaces based on Tridium Niagara 4.
- Intel Elkhart Lake Dual Core Processor
- Power on to Station Running in as little as 30 seconds
- Niagara 4.10 & N4.13
- Integrated IO (6 UI / 6 DI / 4 DO / 8 AO)
- 2x Ethernet, 2x RS485 & 1x RS232 connectivity
- Integrated LoRa Gateway & Network Server
- Up to 4x faster than existing Niagara based controllers



## Specification

Comms	2x Ethernet 2x RS485 1x RS485 eBMSIO 1x RS232	Tech Specs	Q7 Intel Atom x6211E Elkhart Lake (2 x 1.3 GHz, 1.5MB L2 cache, 6W) 4GB DDR3L RAM 28GB eMMC Storage
I/O	6x Universal Inputs (0-10v / 4-20mA / NTC / Monitor / DI / Pulse) 6x Digital Inputs (DI / Pulse Count) 4x Digital Output (Max 5A / 230v) 8x Analogue Output (0-10v / 20mA Max / No Relay Support)	OS	Debian 11
	IO Points Consume 1x Global Point License	Niagara 4	Distribution N.4.10.7 (Long Term Maintenance Release) Distribution N4.13.2  100 / 250 / 500 / 1,250 / 5,000 / 10,000 Global Capacity Points
LoRa	Integrated LoRa Gateway Concentrator Onboard Network Server		12 Months Software Maintenance
Power	24v DC ONLY  0°C to 50°C	LoRa	Integrated Gateway Concentrator Onboard Network Server Frequency 868 MHz Dedicated Niagara 4 Driver
Dimensions	215 x 90 x 80mm	Performance	Power on to Platform Access: 25s Power on to Station Access: 30s
Weight	<500g		

