

Description:

- IONA 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.
- Power on to Station Running in as little as 45 seconds
- Niagara 4.15 for full control & integrated BMS functionality
- Integrated IO (6 UI / 6 DI / 4 DO / 8 AO)
- 2x Ethernet, 3x RS485 & 1x RS232 connectivity
- Option - Integrated cellular 4G Modem
- Option - LoRa WAN Gateway & Network Server
- Up to 4x faster than existing Niagara based controllers

Specification

Comms	2x Ethernet	Tech Specs	Intel Elkhart Lake Dual Core
	2x RS485		2x 1.5 GHz
	1x RS485 eBMSIO		4GB DDR4-3200 RAM
	1x RS232		32GB eMMC Storage
I/O	6x Universal Inputs		(22GB Free Space)
	(0-10v / 4-20mA / NTC / Monitor / DI / Pulse)	OS	Debian 11
	6x Digital Inputs	Niagara 4	N4.15
	(DI / Pulse Count)		
	4x Digital Output	Point License	100 / 250 / 500 / 1250 / 2500 / 5000 / 10,000 Point Licenses
	(Max 5A / 230v)		Upgrades available from 50 Points
	8x Analogue Output		12 Months Software Maintenance
	(0-10v / 20mA Max / No Relay Support)		Classed as a Niagara Network EDGE Device When licensed < 150 Points. EDGE Connection is 1/10 of a JACE
	IO Points Consume 1x Global Point License	Performance	Power on to Platform Access: 30s Power on to Station Access: 45s
Option Cards	Quectel EG25-G (Cat 4) LTE		
	LoRa WAN Gateway & Network Server		
Power	24v DC		
Temperature	0°C to 50°C		
Dimensions	215 x 90 x 80mm		
Weight	<500g		

Interfaces

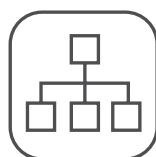
-  **N4** Powered by Niagara 4
Official Tridium Portability Device
-  **Integrated IO - 24 Points**
6x UI / 4x DI / 4x DO / 8x AO
-  **2 x RS485 Ports**
1x RS485 (eBMS IO Connector)
-  **1 x RS232 Port**
-  **Ethernet 1 (10 / 100 Mbps)**
Ethernet 2 (10 / 100 / 1000 Mbps)
-  **4G**
3G/2G
-  **Tyrrell Analytics Ready**

Connectors

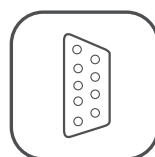
-  **2 x RJ45: Ethernet (Independent Addressing)**
-  **1x RS232 Terminal Connector**
-  **2x RS485 Terminal (3 Pin)**
-  **1x RS485 Edge Connector (eBMS IO)**
-  **24v DC Supply**
-  **Full Size SIM Socket**
-  **2x SMA Female Connectors**
When cellular card option selected



Cellular



2x Ethernet



RS485 / RS232



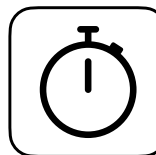
I / O



Niagara 4



DIN Rail



High Capacity



Debian 11



Future Proof



Tyrrell
Analytics
Ready