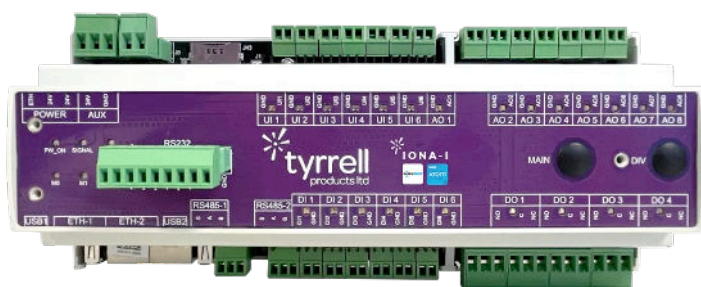


IONA-I - Niagara 4 Controller



IONA-I Niagara 4



niagara⁴

Description:








- IONA-I 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 40 seconds
- Niagara 4.13 for full control & integrated BMS functionality
- Integrated IO (6 UI / 6 DI / 4 DO / 8 AO)
- 2x Ethernet, 3x RS485 & 1x RS232 connectivity
- Integrated cellular 4G Modem
- Up to 2x faster than existing Niagara based controllers

Specification








Comms	2x Ethernet 2x RS485 1x RS485 eBMSIO 1x RS232
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) IO Points Consume 1x Global Point License
Cellular Option	Quectel EG25-G (Cat 4) Worldwide LTE
Power	24v DC
Temperature	0°C to 50°C
Dimensions	215 x 90 x 80mm
Weight	<500g

Tech Specs	Intel Elkhart Lake Dual Core 2x 1.5 GHz 4GB DDR4-3200 RAM 32GB eMMC Storage (22GB Free Space)
OS	Debian 11
Niagara 4	N4.10.7 N4.13.2
Point License	100 Points 250 Points 500 Points 1,250 Points 5,000 Points 10,000 Points
Upgrades	available from 50 Points 12 Months Software Maintenance
Performance	Power on to Platform Access: 30s Power on to Station Access: 40s

Interfaces

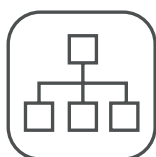
-  **N4** Powered by Niagara 4
Official Tridium Portability Device
-  **Integrated IO - 24 Points**
6x UI / 4x DI / 4x DO / 8x AO
-  **2 x RS485 Ports**
1x RS485 (eBMS IO Connector)
-  **1 x RS232 Port**
-  **Ethernet 1 (10 / 100 Mbps)**
Ethernet 2 (10 / 100 / 1000 Mbps)
-  **4G**
3G/2G Cellular Modem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

Connectors

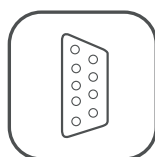
-  **2 x RJ45: Ethernet (Independent Addressing)**
-  **1x RS232 Terminal Connector**
-  **2x RS485 Terminal (3 Pin)**
-  **1x RS485 Edge Connector (eBMS IO)**
-  **24v AC / DC Supply**
Aux 24v DC Output only available on AC Supply
-  **Full Size SIM Socket**
-  **2x SMA Female Connectors**
When cellular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



Cellular



2x Ethernet



RS485 / RS232



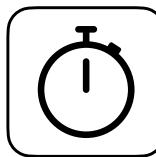
I / O



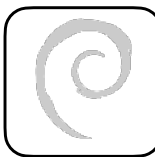
Niagara 4



DIN Rail



High Capacity



Debian 11



Future Proof



Tyrrell
Analytics
Ready