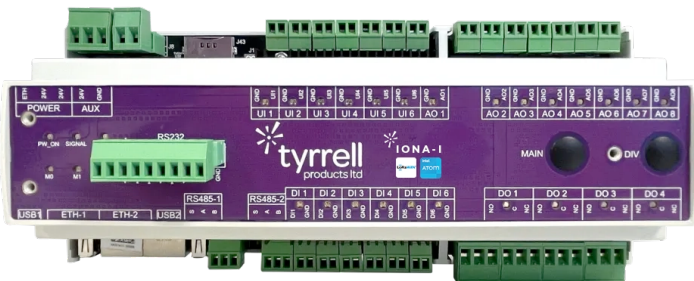




IONA ARM



IONA / ARM



niagara⁴ arm

Description:

- IONA ARM 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 3 minutes
- 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

Specification

Comms	2x Ethernet	Tech Specs	ARM Cortex A53 Quad Core 1.5 GHz
	2x RS485		2GB LPDDR4 RAM
	1x RS485 eBMSIO		8GB eMMC Storage
	1x RS232		(6GB Free Space)
I/O	6x Universal Inputs	OS	Debian 11
	(0-10v / 4-20mA / NTC / Monitor / DI / Pulse)	Niagara 4	N4.15
	6x Digital Inputs		
	(DI / Pulse Count)		
	4x Digital Output	Point License	100 / 250 / 500 / 1250 / 2500 / 5000 / 10,000 Point Licenses
	(Max 5A / 230v)		
	8x Analogue Output		Upgrades available from 50 Points
	(0-10v / 20mA Max / No Relay Support)		12 Months Software Maintenance
	IO Points Consume 1x Global Point License		
Option Cards	Quectel EG25-G (Cat 4) LTE		Classed as a Niagara Network EDGE Device When licensed < 150 Points. EDGE Connection is 1/10 of a JACE
	LoRa WAN Gateway & Network Server	Performance	Power on to Platform Access: 120s
Power	24v DC		Power on to Station Access: 180s
Temperature	0°C to 50°C		
Dimensions	215 x 90 x 80mm		
Weight	<500g		

Interfaces

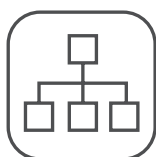
-  **N4** Powered by Niagara 4
Official Tridium Portability Device
-  **Integrated IO - 24 Points**
6x UI / 4x DI / 4x DO / 8x AO
-  **2 x RS485 Ports**
1x RS485 (eBMS IO Connector)
-  **1 x RS232 Port**
-  **Ethernet 1 (10 / 100 Mbps)**
Ethernet 2 (10 / 100 / 1000 Mbps)
-  **4G**
3G/2G Cellular Modem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

Connectors

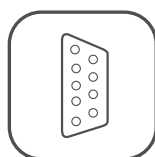
-  **2 x RJ45: Ethernet (Independent Addressing)**
-  **1x RS232 Terminal Connector**
-  **2x RS485 Terminal (3 Pin)**
-  **1x RS485 Edge Connector (eBMS IO)**
-  **24v DC Supply**
-  **Full Size SIM Socket**
-  **2x SMA Female Connectors**
When cellular card option selected



Cellular



2x Ethernet



RS485 / RS232



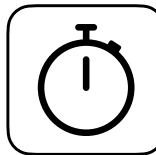
I / O



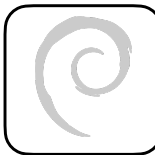
Niagara 4



DIN Rail



High Capacity



Debian 11



Future Proof



Tyrrell
Analytics
Ready