

Atlas2 Plus with Osiris

The Industry Gap



The problem in the industry today is the accessibility to data and the lack of interpretation of existing data. This leads from outdated industrial network schematics, all the way to not knowing what devices run in the factory. The consequences in this process are high costs to analyze, find the best path of repair and do the repair when a network experiences unplanned downtime.

The daily customer pains:

- Unplanned downtime
- Lack of insight network health
- Aging workforce
- Reactive maintenance vs preventive
- Mixed network architectures

Target Domain	Makers	Users
Targeted customer type	- Device Manufacturers - Machine Builders	- System Integrators - End-users
Market segment	Logistics, Material Handling	Manufacturing, Power and Energy, Logistics, Waste Water
Targeted key persona	Product Managers, Service Managers, Plant Managers	Automation Engineers, Service Engineers, Field Technicians

Our Solution

The ideal solution to this problem is a single solution that provides an intuitive overview of the network condition. This allows the end-user to gain insight into his network 24/7 with live feed data, providing high level overview, all the way down to device information and its relation or impact to the network. Network traffic and communications can easily be monitored and reported. Unexpected changes are alerted before a network shutdown to avoid unplanned downtime and act upon, allowing full control and preventive maintenance.

Market Positioning

Revolutionize industry data access and interpretation with permanent monitoring tool Atlas2 Plus. Gain 24/7 network insights, prevent downtime, and achieve efficient, proactive maintenance for unparalleled industrial efficiency.

Product Description

Atlas2 Plus delivers unmatched insight into industrial network health and topology. Monitor PROFINET installations, enabling intelligent predictions to prevent issues and empower proactive solutions over reactive responses.

Preventive maintenance

Improves your productivity by analysing data in real-time and providing immediate network overviews, no matter where in the world you are.



Fit and forget

Once installed, the convenience of a “fit and forget” solution is requiring only initial setup with minimal ongoing maintenance.



Order Code Structure

Anybus Atlas2 Plus

Model	Product Description Code	Note
Atlas	Industrial Ethernet Permanent Monitoring	1
Code	Communication Protocol	
P	PROFINET	
E	EtherNet/IP	
B	PROFINET and EtherNet/IP	2
C	EtherCAT	
Code	EtherTAP	
1	100 Mbit TAP (DIN rail mount)	3
2	1 Gbit TAP (DIN rail mount)	3
3	100 Mbit TAP (portable)	3
4	1 Gbit TAP (portable)	3
X	No EtherTAP included	4
Code	Optional Licences	
1	Yes- Anybus Atlas License and Support	5
X	No - Anybus Atlas License and Support	

Important disclaimer: the above options are rolled out throughout the remainder of the year. Hence, the options marked in red are not yet available as per June 2024.

Order code examples, following a chronological selection of each options:

- Atlas.P.X.1 (Atlas2 Plus hardware; PROFINET Protocol; no EtherTAP; a license and support option)

- Atlas.P.2.X (Atlas2 Plus hardware; PROFINET Protocol; 1 Gbit TAP DIN rail; no license and support option)

Order Notes

1	A prepatual licenses for the operating software Osiris is included when purchasing an Anybus Atlas 2 Plus. For any additional updates we recommend to sign-up for the licensing agreement in the Optional Licenses selection.
2	If you want to operate the EtherTAP for both PROFINET and EtherNet/IP simultaneously, you have to select this option to receive the TAP with both licenses activated.
3	An end user perpetual license is provided for the protocol selected under the Communication Protocol tab when purchasing an EtherTAP2.
4	When using Atlas for EtherCAT, the PLC Diagnostic port will be occupied. Therefore you should select the "No EtherTAP included" option in the EtherTAP tab.
5	Should you have selected "Yes- Anybus Atlas Licenses and Support" in the Optional Licenses tab, please refer to the Anybus Atlas L+S order table to select your preferred optional licenses. It is required to select the Support License for 3 years or Lifetime option if you want any other optional licenses, as some of our options require the latest updates of the operating software to be installed. Therefore it is a requirement to have the software support option selected.

Order Code Structure

Anybus Atlas2 Plus Licensing and Support (L+S)

Model	All codes have a minimum of 3 years license duration	Notes
Atlas L+S		1
Code	Communication Protocol	
P	PROFINET	
E	EtherNet/IP	
B	PROFINET and EtherNet/IP	2
C	EtherCAT	
Code	3 year Support License	
1	Software updates support for 3 years	3
2	Lifetime Software updates update support	3
Code	3 year license (charged at the time of purchase)	
1	Protocol Compliance Tester	4
X	No Protocol Compliance Tester	
Code	3 year license (charged at the time of purchase)	
1	Advanced Diagnostics- Resident	5
2	Advanced Diagnostics- Cloud	6
X	No Advanced Diagnostics	
Code	3 year license (charged at the time of purchase)	
A	Network Security Diagnostics	
X	No Network Security Diagnostics	

Important disclaimer: the above options are rolled out throughout the remainder of the year.
Hence, the options marked in red are not yet available as per June 2024.

Order code examples, following a chronological selection of each options:

- Atlas.P.2.1.X.X (Atlas2 Plus HW L+S; PROFINET Protocol; lifetime support; Protocol Compliance Tester, no Advanced Diagnostics; no Network Security /Diagnostics)

Order Notes

1	This price list overview allows you to select a variety of optional licenses and software updates. The Atlas will be delivered with a pre-installed software, whether you choose to select the optional Software updates or not. Should this be the case, you will not receive future functionalities we release over time.
2	In cases you work with multi-protocol networks supporting both EtherNet/IP and PROFINET, this option will allow you diagnose both simultaneously.
3	The pre-installed software on the Atlas has a perpetual license for use in the version you have purchased. Should you wish to add additional functionalities in the future, you should either select one of the two options that includes a 3 year or lifetime support of software updates. Be advised that for any additional license options you may want to add, the support update option needs to be selected.
4	We recommend to select and use the Protocol Compliance Tester each time you make a modification or change to your network, such as adding a new device. The test will give you insight in what parts of your network are in compliance with the relevant standards and which ones are not.
5	Advanced Diagnostics requires an EtherTAP2 to be connected.
6	Advanced Diagnostics requires an EtherTAP2 to be connected and when selecting the Cloud version, a live link to an external service needs to be established. This can be achieved within the compliance of your security measures.

Atlas2 Plus Hardware

General

Dimensions with connectors (L x W x H)	117 x 52 x 130 cm
Weight	510 grams
Processor	NXP IMX8 QuadMax 4 GB LPDDR4 Memory 16GB eMMC Storage Memory
Din-rail	35mm (minimum width 65mm)
Housing	Powder coated aluminium
Operating temperature	-20 to 60° Celsius
IP rating	IP 20 (IEC/EN 60529, DIN 40 050)
Connector (Factory and Office)	RJ-45
Industrial network connector(s)	2xRJ45 10/100 Mbit (daishy chaining) / DB9 (PROFIBUS)
Certification	CE, UKCA, UL ord loc (E214107), KC, RMC
MTBF	> 1 500 000 h, Telcordia Method I Case 3 at 30° C

Power

Pluggable power supply connector	Pin -: 0V Pin +: 12 to 24V DC Pin SH: Shield
Nominal power supply voltage	12 to 24 V DC
Power use	Nominal: 10W Maximum: 24W

Standards and Approvals

CE	EMC Directive 2014/30/EU, class B RoHs Directive 2011/65/EU Emission: CISPR32 Immunity: CISPR35
FCC	47 CFR 15 & ICES-003 (Issue 6), class B