www.offcode.fi

Flexible Data Acquisition and Control station

ADN42
Advanced Data Node

For your specific acquisition and control needs:

- Can be integrated to your existing back-end system
- Can be integrated to existing automation system
- Supports the distributed acquisition

Supports the wide range of the Industrial Sensors
Supports wireless sensor distribution
Extremely low standby power
Remotely managed
Inexpensive – scales easily to wide area distributed acquisition

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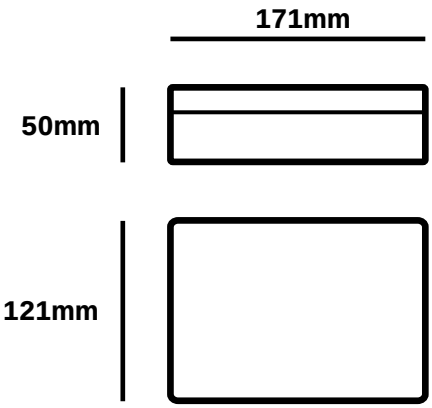
ADN42 is designed to offer industrial class acquisition and control in non industrial environments.

It support most of the common control and acquisition buses RS485, RS232, Can Bus, Ethernet, and USB. It also have set of for analogue and digital I/O.

For external communication ADN42 can open connection to Internet based servers over the GSM. For the maintenance alarms there is ability to generate SMS messages to defined phone numbers. Acquisition data can stored to local memory and uploaded to central database periodically.

ADN42 is fully programmable, thus it can perform predefined acquisition and control algorithms. Due remote management the functionality of the system can chaged on field.

ADN42 device is inexpensive and remote controlled, it scales easily for distributed wide area network acquisition.



Technical specifications

Configurable Input/Output ports	**2**	24V output max current	**2A**
Configurable Input ports	**4**	12V output max current	**2A**
Operating Voltages	**9 .. 36V**	Ethernet interface	**RJ45, 100 Mbit/s**
Standby current	**120 uA**	Usb interface	**Standart Host**
Analog Input	**Range: 0...5V**	RS232	**On screw terminal, 115 kbps**
Counter input	**up to 100 pulses/s**	RS485 interface	**yes**
Current Input	**Range: 0..20mA**	CAN bus	**yes**
Analog Output voltages	**Range: 0...5V**	GSM type	**Full feature quad-band**
Analog Output current	**up to 6mA**		**GSM/GPRS class10**
Temperature range	**-40°C to 85°C**	GSM protocols	**http, ftp, sms**
Dimensions L,W,H	**171, 121, 50mm**	Position	**Multi-GNSS engine for GPS,**
REF 5 Volt accuracy	**2 %**		**GLONASS, Galileo and QZSS**
REF 5 V max current	**50mA**		

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