



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

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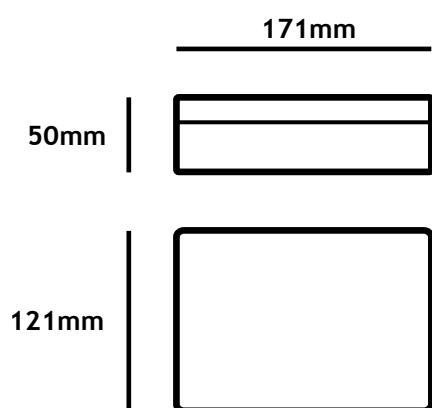
ADN42 is designed to offer industrial class acquisition and control in non industrial environments.

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

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

ADN42 is fully programmable, thus it can perform predefined acquisition and control algorithms. Due to remote management the functionality of the system can be changed in the 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, GLONASS, Galileo and QZSS
REF 5 Volt accuracy	2 %		
REF 5 V max current	50mA		



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