

ADiS

Modular control system

- inputs/outputs optimisation according to the application
- wide selection of I/O and communication modules
- up to 16 communication or I/O modules in one set
- programmable in DetStudio
- standard communication Ethernet, RS485, RS232
- integrated web server open to parametrisation
- archiving data to an SD card
- variant version with extended temperature range (-40 °C to 70 °C)



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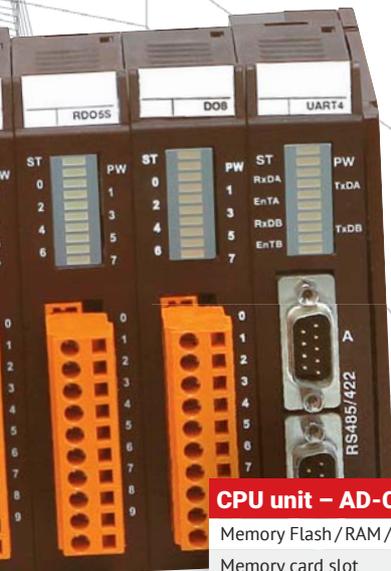
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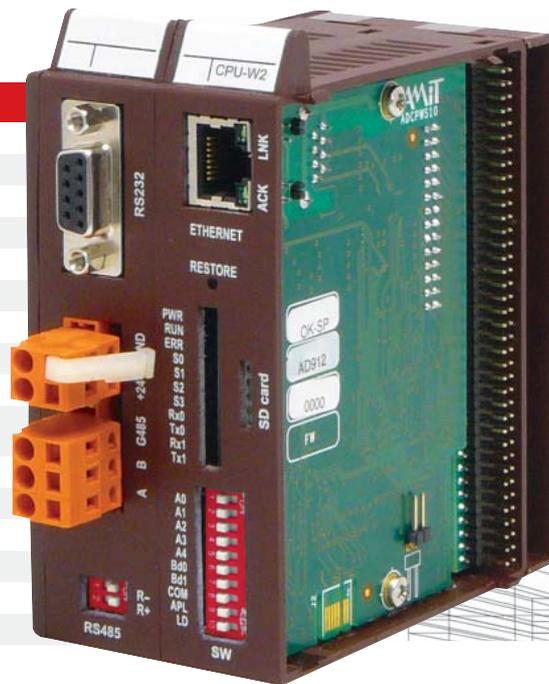
Modular system

ADiS is characteristic for its modularity and flexibility that allows the system to be implemented for both small-scale and large-scale projects with a focus on communication capabilities. It comprises a base unit (with a CPU) and I/O modules. The base unit can be extended by up to 16 communication or I/O modules. Maximum capacity of a single ADiS assembly is 256 I/O signals. This number can be easily extended to several thousand signals per assembly through the use of AMRIO series remote I/O modules or a CAN bus.



CPU unit – AD-CPUW2/I

Memory Flash / RAM / EEPROM	2 MB + 256 KB / 1 MB / 2 KB
Memory card slot	MicroSD
RS485	1× with GI
RS232	1× D-sub DE-9
Ethernet	1× 10/100 Mbps, RJ45
RTC + RAM back-up	Yes
Web server	Yes
Max number of I/O modules	16
Power supply	24 V DC ±20 %
Consumption (without peripherals)	Max. 0.15 A
Signal connection	WAGO CAGE CLAMP connectors
Ingress protection rate	IP20
Operating temperature	0 °C to 70 °C
Extended temperature range	-40 °C to 70 °C
Mounting	On a 35 mm DIN rail
Dimensions (w × h × d)	(54 × 104 × 96) mm



Overview of communication and I/O modules

AD-DI8A	8× digital input 24 V DC/AC, with GI
AD-DI16A	16× digital input 24 V DC/AC, with GI
AD-FDI8	8× digital input 5 to 24 V DC, fast inputs, with GI
AD-PDO8	8× digital output 24 V DC, 0.5 A, MOS output, with GI
AD-DO16	16× digital output 24 V DC, 0.3 A, MOS output, with GI
AD-RD05S	5× relay output 250 V / 6 A
AD-AI5	5× analogue input 0 to 5 V, 0 to 10 V, 0 to 20 mA, 10-bit
AD-AI8	8× analogue input 0 to 5 V, 0 to 10 V, 0 to 20 mA, 10-bit
AD-NI8	8× RTD input, 10-bit
AD-GAI8	8× analogue input ±10 V, ±20 mA, with GI, 15-bit + sign
AD-FAI8-A	8 × analogue input ±10 V, 1 kHz
AD-AO8U	8× analogue output 0 to 10 V, w/o GI, 10-bit
AD-GAO4U	4× analogue output ±10 V, with GI, 12-bit
AD-AO8I	8× analogue output 0 to 20 mA, w/o GI, 10-bit
AD-GAO4I	4× analogue output ±20 mA, with GI, 12-bit
AD-UART	Communication module 2× RS232
AD-UART4	Communication module 2× RS485/422, with GI
AD-ETH100	Communication module 1× Ethernet 10/100 Mbps
ADC-CAN	CPU extension for I/O signals in DIOCAN network
AD-CAN	Communication module CAN bus (DIOCAN)



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