

ALLNET ALL3500 / IP Homeautomation Appliance, 4x Sensor-Port

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ALLNET ALL3500 / IP Homeautomation Appliance, 4x Sensor-Ports

The economical entry into the home automation

The ALLNET ALL3500 Home Automation Appliance provides a solid and cost-effective platform for the implementation of control solutions based on measured data.

As the model ALL3418V2/ALL3419 based the ALL3500 on the new ALL5002 CPU board and

a GNU/Linux firmware.

Thus it is open to your own applications and all additional modules ALL3000/4000/5000 series can be operated with the ALL3500 central unit.

The ALL3500 can be conveniently read from anywhere via web interface, configure and operate. The integrated XML interface allows for easy integration into complex installations or proprietary software products for controlling and monitoring.

Controlling, measurement, regulation via network, Internet and Smartphone

Application examples:

- Temperature monitoring in HACCP or alarm scenarios, as well as depending of alarm detection circuits

- Climate control of a room by monitoring temperature and humidity, as well as needs-based control of heating and humidification.
- Recognition of a crisis in mission critical areas and turn of alarms if you smell gas, cooking, smoke, etc.
- Time- and humidity-controlled garden irrigation
- Consumption-based circuit using external sensors such as ALL4950 power meter module
- **SNMP Modul**

Compact, powerful, economical

The right platform for your home automation application

We are succeed in integrating a lot of functionality in a compact and cost-saving design in the ALL3500. This saves space and cost, yet delivers impressive functionality. Four relays, sensor ports and contact interfaces are available. Thus the ALL3500 is extremely versatile.



Sensors, actuators and switches

A wide product range allows complex application

The ALL3500 central unit has four ports for connecting external sensors and actuators, and four relay outputs for switching any loads. In addition, the device has four contact inputs, eg can be used to connect push buttons and switches.

Thus, ambient conditions such as temperature, humidity, air pressure, and much more can capture, share and process, as well as switching processes via actuators or relays. This can be performed manually, time-controlled or depending of the detected values.

Connectivity

With Ethernet and built-in WLAN easily accessible

The ALL3500 central unit is accessed via an IP address in the TCP / IP network. The values can be accessed via the web browser directly from the device, processed or sent periodically via email. An integrated XML interface is used for data retrieval and control via the Internet, bringing the ALL3500 can be integrated into an overall control solution.



I2C-Bus

Use existing cable networks to connect sensors

To connect the measurement and control modules to the central units all ALLNET home automation products use a simple network cable (RJ45 connector, Cat. 5). For this purpose, an existing wired network such as the own network or phone wiring can be used. The maximum cable length between the central unit and module can be up to 100 meters. Here the modules are supplied with voltage by the CPU. A separate power source for each module is not necessary.

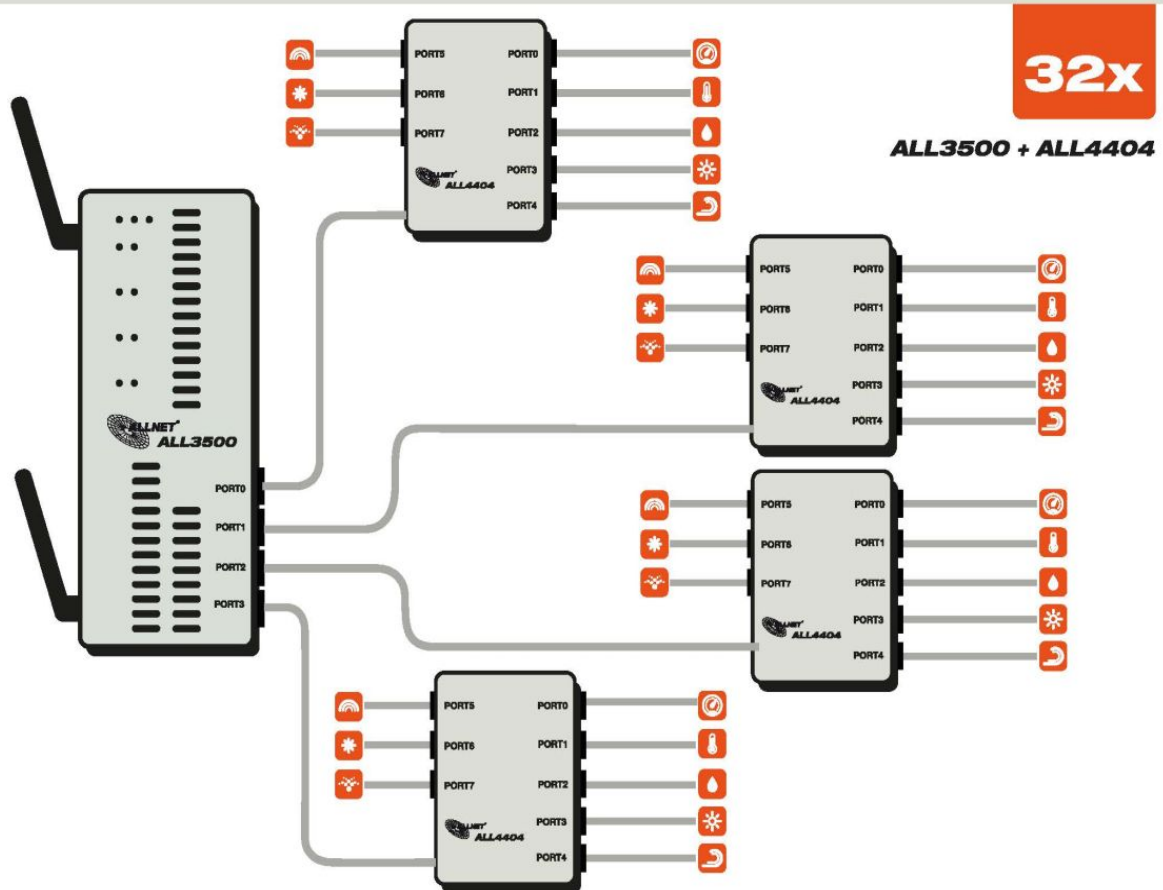
USB Port

Integrate external radio technologies

External sensors/actuators can for example be connected via a separate wireless USB stick with the ALL3500. The ALL3500 can recognize and process these sensors. The following technologies/manufacturers are already integrated in the ALL3500:

- Plugwise
- EnOcean

Maximum number of sensors per ALL3500:



Technical Details:

Element	Specification
Interfaces:	4x RJ45 sensor modules
Network Interfaces:	1x RJ45 10/100Mbps
Switch relay:	4x potential-free (â 8A)
Contact Input:	4x for push buttons, switches, etc.
Wireless LAN:	Ralink RT3352 Chipset 2,4 GHz Wireless N



Part No.: 98686
Vendor Part No.: ALL3500

	Safety: WEP 64/128bit, WPA, WPA2
Supported Standards:	IEEE 802.3 IEEE 802.3u IEEE 802.11b/g/n
Additional Interfaces:	1x USB 2.0 1x Console
Power supply:	100~240 VAC, 50/60 Hz, 12V extern power supply
Power consumption:	<5 watt maximum
Housing:	Metal housing
Environment:	Temperature operating: 0 ~ 40 °C Humidity operating: 10% ~ 85% (non-condensing) Temperature storage: -20 ~ 60 °C Humidity storage: 5% ~ 90% (non-condensing)
Mark:	CE, RoHS
Dimension:	220,4 x 80 x 30 mm (L x W x H)
Weight:	400 grams (device incl. WLAN antenna and ALL3006 sensor)
Package content:	-ALLNET ALL3500 -ALLNET ALL3006 temperature sensor -WLAN Antenna -external power supply -manual

Accessories

Part No.	Name
210354	ALLNET PoE Splitter-Mini/Extractor / Gigabit / 24W / 5V/12V Switchable / ALL-PS102G-AF-AT
207613	ALLNET Netzwerk NTP GPS Server ALL-NTP-101
28197	ALLNET ALL3003 / switching output (1 optoelectroniccoupler,
134721	ALLNET MSR Sensor ALL3008 / Temperature sensor
124089	ALLNET MSR Sensor ALL3016 / Temperature sensor waterproof
157798	ALLNET ALL3020 / Sensor for humidity and temperature
34417	ALLNET ALL3036 / Liquid level monitor vertical
34418	ALLNET ALL3037 / Liquid level monitor
211006	ALLNET MSR Sensor ALL4456 / Leakage Sensor / Wasser am Boden detektiert
36788	ALLNET ALL3051 / PIR motion detector
60987	ALLNET ALL4006 / DIN RAIL temperatur sensor 27mm

Part No.	Name
61959	ALLNET ALL4020 / DIN RAIL Reed-Relais (1 reed contact, isola
60991	ALLNET ALL4024 / DIN RAIL volt meter 220-240V 1phase
98838	ALLNET ALL4444 / volt meter 220-240V 4relais in metal case
61958	ALLNET ALL4054 / DIN RAIL shock sensor
62422	ALLNET ALL4056 / DIN RAIL noise sensor, 27mm width
98820	ALLNET ALL4404 / Multiplexing Modul-Hub 8 Ports
98825	ALLNET ALL4427 / Relais output 4 Port 250V / 10A in metal ca
88282	ALLNET ALL4524 / volt meter 220-240V AC
98836	ALLNET ALL4442 / contact input 4-port in metal case
98828	ALLNET ALL4429 / temperature/humidity/pressure Sensor in met
98840	ALLNET ALL4452 / PIR movement detector
98821	ALLNET ALL4406 / temperature sensor in metal case
98820	ALLNET ALL4404 / Multiplexing Modul-Hub 8 Ports
101321	ALLNET ALL4406 / temperature sensor in metal case *white*
157801	ALLNET ALL4420 / Combi sensor humidity/temp. in housing
157801	ALLNET ALL4420 / Combi sensor humidity/temp. in housing
98824	ALLNET ALL4425 / counter in metal case
101320	ALLNET ALL4425 / Contact Counter / S0 in the housing *white*
98825	ALLNET ALL4427 / Relais output 4 Port 250V / 10A in metal ca
98828	ALLNET ALL4429 / temperature/humidity/pressure Sensor in met
98831	ALLNET ALL4432 / analog brightness sensor in metal case
98836	ALLNET ALL4442 / contact input 4-port in metal case
98838	ALLNET ALL4444 / volt meter 220-240V 4relais in metal case
98840	ALLNET ALL4452 / PIR movement detector
102435	ALLNET ALL4454 / Smoke detector/sensor in the housing *blac
96689	ALLNET ALL4454 / Smoke/gas sensor in metal case
101887	ALLNET MSR ALL4500 / att. COM-Port adapter cable with 3 seri
115537	ALLNET ALL4409 / PT1000 interface in housing *white*.
115545	ALLNET ALL4408 / PT100 interface in housing *white*.
127304	ALLNET MSR Zentrale ALL3500 zbh. KEFA (Phoenix® kompatibel) Relais-Ersatzstecker 4er Set
94360	Synergy 21 LED zub Schraubklemme KEFA (Phoenix® kompatibel) Stecker 2 F



Part No.: 98686
Vendor Part No.: ALL3500

Part No.	Name
166561	ALLNET MSR ALL4472 / Particulate Matter Sensor *white*
166559	ALLNET MSR ALL4471 / Co2-Kohlendioxid-Sensor *white*
206211	ALLNET MSR Central "ALL5000v2" incl. 16 Sensor Ports & 19" for IP Building Automation
137015	ALLNET MSR zbh. Magnetic window/door contact (NO) ALL3041
131841	ALLNET MSR IO Central Switching Power Strip 6-way incl. Meter for Desktop & 19" Mounting "ALL4176v2" for IP Building Automation
174036	ALLNET MSR ALL3073V2WLAN
118725	ALLNET ALL3696 / Powermeter ALL3696 IP with 2x induction
109096	ALLNET ALL3697-32A / PM4 DIN-Rail Powermeter 32A 3 phase

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