
# ALLNET ALL3505

## IP Buildingautomation Appliance for the DIN rail

### The economical entry into the building automation

The ALLNET ALL3505 Buildingautomation Appliance provides a solid and cost-effective platform for the implementation of control solutions based on measured data.

As the model ALL3500 based the ALL3505 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 ALL3505 central unit. The ALL3505 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.


*Art.-Nr. 104126*

Note: Product specification is subject to change without notice.

## 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, flooding, smoke, etc.
- Time-and humidity-controlled garden irrigation
- Consumption-based circuit using external sensors such as ALL4950 power meter module

## Compact, powerful, economical

### The right platform for your building automation application

We are suceed in integrating a lot of functionality in a compact and cost-saving design in the ALL3505. This saves space and cost, yet delivers impressive functionality. 8 sensor ports and Contact interfaces are available. Thus the ALL3505 is extremely versatile.

## Sensors, actuators and switches

### A wide productrange allows complex application

The ALL3505 central unit has eight ports for connecting external sensors and actuators. In addition, relays and contact modules can be connected, for example, can be used for connecting switches, or buttons for switching any loads. 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 ALL3505 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 ALL3505 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 building 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 ALL3505. The ALL3505 can recognize and process these sensors. The following technologies / manufacturers are already integrated in the ALL3505:

- Plugwise
- EnOcean

Plugwise

Green. Smart. Wireless. enocean

## Technical Specifications:

| Item | Specification |
|---|---|
| Interfaces: | 8x RJ45 for sensor modules |
| Network Interfaces: | 1x RJ45 10/100Mbps |
| Wireless LAN: | Ralink RT3352 Chipset<br>2,4 GHz Wireless N<br>Security: WEP 64/128bit, WPA, WPA2 |
| Standards: | IEEE 802.3<br>IEEE 802.3u<br>IEEE 802.11b/g/n |
| Additional Interfaces: | 1x USB 2.0<br>1x Console<br>1x Reset (Front)<br>1x R-SMA connection (Front) |
| Power supply: | 12V / 1,25A (Phoenix clamps, external power supply needed) |
| Power consumption: | <5 Watt max |
| Case type: | PC/ABS housing DIN rail |
| Environment: | Operating temperature: 0 ~ 40 °C<br>Operating humidity: 10% ~ 85% (non condensing)<br>Storage temperature: -20 ~ 60 °C<br>Storage humidity: 5% ~ 90% (non-condensing) |
| Certificates: | CE, RoHS |
| Dimension: | 106 x 90 x 60 mm (Length x Width x Height) |
| Weight: | 300 gram |
| Package content: | - ALLNET ALL3505<br>- ALL3006 Temperature Sensor<br>- Manual |

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