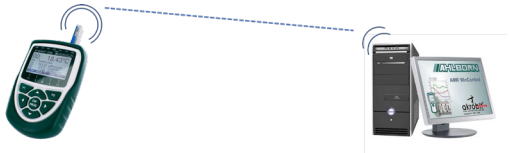
## ALMEMO® wireless network with ALMEMO® WLAN module ZA 1739-WL

Wireless connection from a PC directly or via a WLAN network to an ALMEMO® measuring device with ALMEMO® WLAN module.

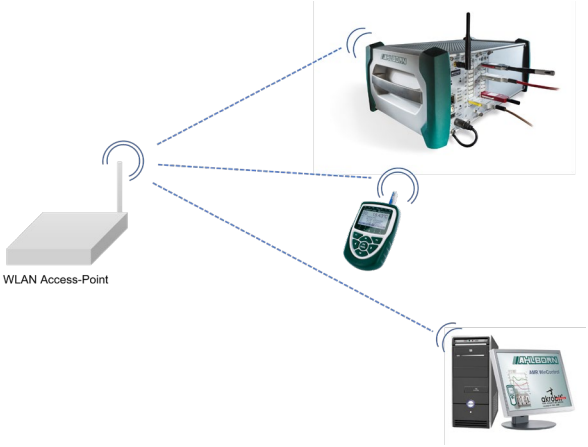



WLAN module
ZA 1739-WL

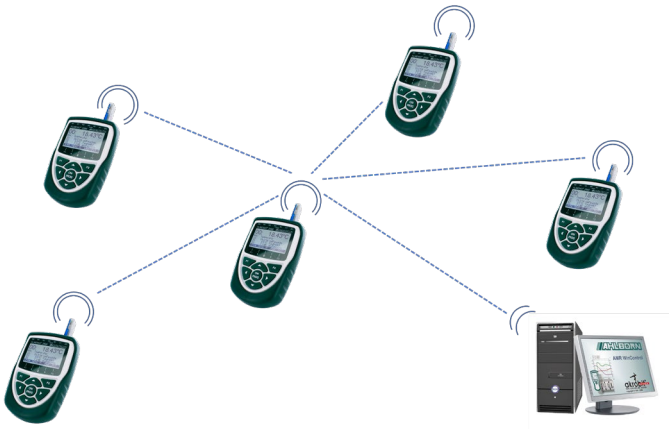
### Applications:



1. Direct connection from a PC (client) to an ALMEMO® measuring device with ALMEMO® WLAN module (access point)




2. Connection of an ALMEMO® measuring device with an ALMEMO® WLAN module (client) to a WLAN network (access point in the company network)



3. Local ALMEMO® WLAN network:
Connection of one ALMEMO® measuring device (access point) with up to 4 ALMEMO® measuring devices (clients) and direct connection to a PC (client). For this, each connected ALMEMO® measuring device requires an ALMEMO® WLAN module.

- The ALMEMO® WLAN module is a wireless data connection for ALMEMO® measuring devices for various applications:
  1. Direct connection to a PC,
  2. connection to an existing WLAN network (e.g. company network),
  3. local wireless networking of several ALMEMO® measuring devices to one PC.
- The ALMEMO® WLAN module is configured via any WLAN-capable end device of the customer using the standard browser. All common encryption modes can be configured.
- The ALMEMO® WLAN module has an integrated antenna and is compactly installed in an ALMEMO® connector. It is plugged into the A1 socket of an ALMEMO® measuring device.
- The integration into the WinControl data acquisition software and into the ALMEMO® Connect software is easily done via the configured Ethernet port.
- The ALMEMO® WLAN module has control indicators (LEDs) for power supply and status and a factory reset button.

## Technical data:

| | |
|---|---|
| WLAN features: | Soft Access Point + Client<br>Up to 5 simultaneous client connections<br>Connection to any WLAN networks as client connection via WLAN QuickConnect |
| Configuration: | Configuration is carried out via the integrated web manager in the standard browser of a WLAN-capable end device of the customer (e.g. laptop, tablet, smartphone). |
| Standards: | IEEE 802.11 a/b/g/d/h/i up to 54 Mbps;<br>802.11 n (1x1) up to 150 Mbps<br>IEEE 802.11 r fast roaming |
| Frequency band: | Dual Band 2.4 GHz and 5 GHz,<br>Channels 1-13, UNII-1, 2a, 2e and 3 |
| Encryption: | ES/CCMP and TKIP encryption,<br>WPA/WPA2 Personal<br>WPA2 Enterprise (EAP-TLS, EAP-TTLS, EAP-PEAP, EAP-FAST)<br>SSLv3/TLS 1.2 with PKI and X.509 Certificates (up to 4096-bit Keys)<br>AES Algorithm, 256-bit, 192-bit, 128-bit |

| | |
|---|---|
| Protocol: | DHCP Client, Server (Soft Access Point) |
| TCP port: | 10001 (default) |
| Baud rate: | 115200 Baud |
| Voltage supply: | Via ALMEMO® device |
| Current consumption: | ca. 60 mA at 12 V supply<br>ca. 75 mA at 9 V supply<br>ca. 100 mA at 6 V supply |
| Dimensions: | Module built into ALMEMO® connector<br>61 mm x 25 mm x 8 mm (LxWxD) |
| ALMEMO® Baud rate: | 115.2 kBaud (fixed set) |
| Operating conditions: | Operation: -10 °C to +50 °C |
| Type approval: | USA (FCC Part 15), Canada (IC RSS), EU (RED), Japan (MIC), China (SRRC), AU/NZS |

## Accessories

| | Order no. |
|---|---|
| ALMEMO® connection cable for ALMEMO® WLAN module ZA1739WL to ALMEMO® output socket A1, length 0.2 m. | **ZA1739VK0** |

## Types

| | Order no. |
|---|---|
| Wireless WLAN connection for an ALMEMO® measuring device: | |
| ALMEMO® WLAN module for output socket A1 on the ALMEMO® device. | **ZA1739WL** |

11/2025 • We reserve the right to make technical changes.