Wireless Access Point 802.11g/b/n
WLANAPCC

- IEEE 802.11b/g/n 54 Mbps wireless network
- Different operating modes and topology options
- Fast handover when clients are roaming
- Wireless client isolation
- Supports WPS and WiFi directly
- Configurable via web interface and Windows software
- Metal housing and standard rail mounting

https://www.wachendorff-prozesstechnik.de/en/WLANAPCC

Description

The WLANAPCC wireless access point provides wireless access to Ethernet networks in accordance with IEEE 802.11b/g/n in an industrial design. Robust thanks to its metal housing, the device only needs to be snapped onto a standard rail and is immediately ready for operation with a 24 VDC power supply. The WLANAPCC complies with current security requirements thanks to the encryption of transmitted data in accordance with the latest standard and the option of establishing a virtual network with each other. Commissioning and parameterization of the device are very easy, both via the web interface and via the Windows software supplied.
The device operates on the worldwide license-free 2.4 GHz frequency with a range of up to 300 m. With a maximum data throughput of 54 Mbps, it is an ideal and cost-effective solution for a wireless Ethernet connection in really all areas of process and automation technology.

Product details

Ethernet:	According to IEEE802.3u standard, 1x RJ-45 socket, 100 Base-T(X) data throughput rate with automatic detection, Auto MDI/MDI-X.
WLAN:	According to IEEE802.11b/g/n standard, Frequency: 2.412 to 2.472 (20 MHz)/2.422 to 2.462(40 MHz) Data rate: 802.11b: 1, 2, 5.5 and 11 Mbps Data rate: 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps Data rate: 802.11n: 20 MHz Bandwidth: 1Nss: 65 Mbps @ 800GI, 72.2 Mbps@400GI (max.) 40 MHz bandwidth: 1 Nss: 135 Mbps @ 800GI, 150 Mbps @ 400GI (max.) Transmit power 11b: 15 dBm, 11g: 17 dBm, 11n: 16dBm Receiver sensitivity: -65dBm@54Mbps, -82dB-m@6Mbps, 54 Mbps (max.) Antenna: 3/5 dBi antenna with SMA(R) connector. The WLAN access point has been specially developed and tested for industrial use. Combination with non-industrial WLAN USB sticks is not recommended.
Power supply:	9 VDC to 48 VDC, max. 5.85 W power consumption (in transmission mode); reverse polarity protection.
Ambient conditions:	Operating temperature: -10 °C to +60 °C Storage temperature: -40 °C to +85 °C Relative humidity 5 to 95%rH(non-condensing)
Dimensions (WxHxD):	47 mm x 110 mm x 90 mm
Software and configuration:	Web interface / Windows program
Supported protocols:	ICMP, TCP, UDP, DHCP server/client, DNS, SNMP, NTP, SMTP, HTTP, IPv4, 802.1x, RADIUS, STP, WPS, Syslog.
Wireless security:	WEP,WPA,WPA2, TKIP,AES, 802.1x
Network security:	Client isolation, firewall/filtering, deactivation of wireless operation
Alarm events:	E-Mail /SNMP Trap
Operating modes:	AP,WDS Bridge, AP Client

Products Order no.

WLANAPCC	WLAN access point/client IEEE802.11 g/b/n Screw-on Demo Whip antenna 2 dBi included in the scope of delivery

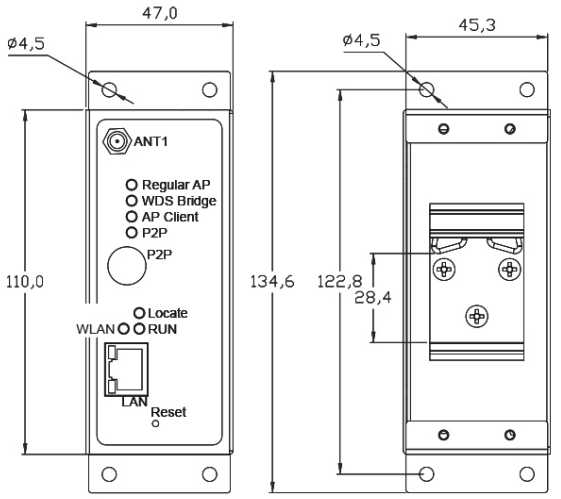
Accessories Order no.

WLANANT20	Magnetic base antenna with SMA-R connector 2.4 GHz@2 dBi with 1.8 m cable
WLANANT22	Antenna with screw mounting and SMA-R connector 2.4 GHz@2 dBi, 2 m cable
WLANANT55	Magnetic base antenna with RP-SMA connector 2.4 GHz@5 dBi with 1.8 m cable
ECCAIRC01RPSMA	Extension cable WLAN antenna 1 meter
ECCAIRC03RPSMA	Extension cable WLAN antenna 3 meters
ECCAIRC05RPSMA	Extension cable WLAN antenna 5 meters
DRS4-24A	Power supply unit for top-hat rail, 85 to 264 VAC, 24 VDC 4.2 A, screw terminal

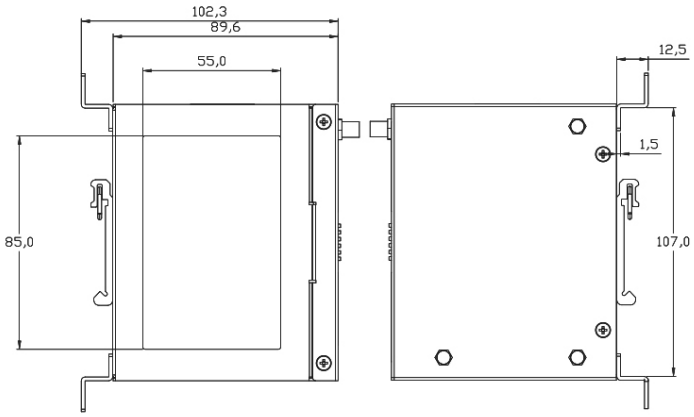
CPNLRJ45	RJ45 to RJ45 panel connector / panel front IP 68
KABETH10	Patch cable, RJ45 UTP CCA, CAT5e white, 0.3 m
KABETH11	Patch cable, RJ45 UTP CCA, CAT5e white, 1 m
KABETH12	Patch cable, RJ45 UTP CCA, CAT5e white, 2 m

Drawings

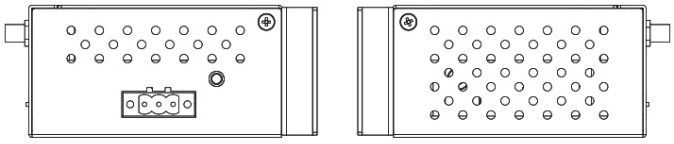
Dimensions:



Front View Rear View



Left Side View Right Side View



Top and Bottom View

WACHENDORFF
Prozesstechnik GmbH & Co. KG

Wachendorff Prozesstechnik GmbH & Co. KG
Industriestrasse 7 • 65366 Geisenheim
Germany

Phone: +49 (0) 67 22 / 99 65 - 20
E-Mail: wp@wachendorff.de
www.wachendorff-prozesstechnik.de