

Bridging of radio links in outdoor environments

WLAN Bridgeline Bundle W2003n

- For radio links with up to 0,5 km distance
- 802.11n dual stream technique in 5 GHz band
- Dual polarization antennas permit high throughput rates
- Mounting of access points indoor
- 'Out-of-the-Box' - contains all required components

WLAN Bridgelink Bundle W2003n

Bridging of radio links in outdoor environments

The WLAN Bridgelink Bundle is designed for establishing outdoor wireless links. The bundle includes two W2003n-ext access points and all the necessary components.

Product Description

The bundle contains all required components to setup a radio link by using the 802.11n technology. Very good result can be archive by using the components from the bundle for radio links with up to 0,5km distance. We suggest for larger distances the Dual-Polarization antenna (ANT-N-20-5G-dualpol part number 5500000551).



Contains following components:		
Number	Order Number	Description
2	5510000325	bintec W2003n-ext
2	5500001254	PS-EURO-Wx003n/Wx004n
2	5500001542	Antenna ANT-N-11-5G-dualpol (11dB Gewinn)
4	5500001541	Cable CAB-RSMA-N-0,5m
4	5500000846	CAB-N-3m

Hints to improve the operating distance:

- Use shorter cables, to reduce the cable loss
- Use a antenna with higher gain (ANT-N-20-5G-dualpol Artikelnr. 5500000551)
- Select 20 MHz bandwidth instead 40 MHz, or use only one stream.

Hints for installation

- The link must be free from any obstacles (free line of sight). If necessary a different location must be used or the antenna height must be increased. For 0,5km distance a antenna height of

2m is recommend.

- The antenna connectors of the Access Point ANT1-1 and ANT1-2 are connected to the antenna. It makes no difference which antenna socket is used.
- The Access Point must be mounted inside of the building to protect the devices against humidity.
- The bundle doesn't contain a surge arrester, because this small antenna will mounted in the most cases protected under a wide roof projection.
 - In the case that the antenna is mounted freely at a place with a highly risk of lighting strike the antenna must be grounded and surge arrester must be used. The antenna or rather the antenna pole must be connected with 16 mm² CU or more to the potential equalization. The Surge Arrester protect the AP and must connected to the grounding of the building with 1,5 mm² CU or more. The Surge Arrester must be inserted in both antenna cables, usually close to the place there the antenna cable leaving the building. In some cases it is advisable to consult a specialist for lighting protection.

Accessories:	
Order Number	Description
600499	ACC-EMP-N-dual (surge arrester)
5500000551	ANT-N-20-5G-dualpol (20dB antenna)
5500000847	CAB-N-6m (antenna cabel 6m N-N)
5530000082	Gigabit PoE Injector

Accessoires

Antennas

ANT-N-20-5G-dualpo (5500000551)	Outdoor Dual-Polarisations antenna for 802.11n applications, wall or mast mounting, 5GHz, 20dBi, N jack
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Antennas, Cables and Adapters

CAB-N-6m (5500000847)	6m N plug N jack ULA400
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Add-ons

Gigabit PoE Injector (5530000082)	PoE Injector for LAN 10/100/1000 Mbps, 100-240V, EU plug, output 48V/0.35A; suitable for Access Points, IP phones, etc.
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ACC-EMP-N-dual (600499)	Surge Arrester N plug N jack
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