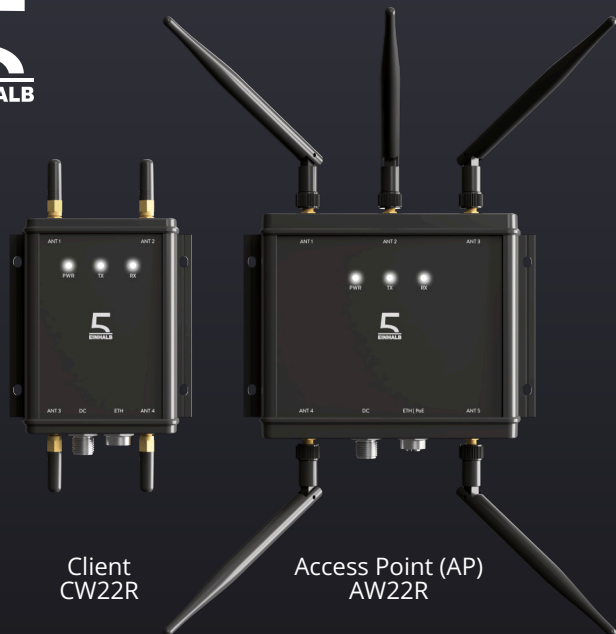




Client
CW22R

Access Point (AP)
AW22R

BlitzFunk®

Realtime-WLAN for Control und Safety

- ✓ Realtime wireless communications system for mobile robots and moving machines
- ✓ Reliable transmission with guaranteed latency and data rate
- ✓ Designed for Industrial Ethernet including Safety: PROFINET, PROFIsafe, EtherNet/IP, CIP Safety, OPC-UA and many more
- ✓ Over large areas with zero-latency roaming

Quality of Service

Maximum one-way latency	4 ms for 1 client +2 ms per additional client
Additional roaming latency	0 ms
Data rate	6 Mbit/s shared between clients
Payload per Ethernet frame	1500 Bytes
Reliability	99.9999 % for specified latency and data rate

Wireless Features

Frequency spectrum	2412 MHz – 2462 MHz 5180 MHz – 5240 MHz 5745 MHz – 5865 MHz 5955 MHz – 6415 MHz
Bandwidth	2 × 20 MHz

Conformity

Mark	CE
Safety	EN IEC 62311 EN IEC 62368-1 EN 18031
Radio	ETSI EN 300 328 ETSI EN 300 440 ETSI EN 301 893 ETSI EN 301 687
EMC	ETSI EN 301 489-1 / -17 EN 55032 EN 55035 EN IEC 61000-6-1 / -2 / -3 / -4
RoHS, REACH	EN IEC 63000

Connections

Power supply	Client	12 – 48 V DC
	AP	12 – 48 V DC or PoE 802.3af
Power	Client	ø 4.1 W; max. 10 W
	AP	ø 4.8 W; max. 15 W
DC	M12, 5-pin, A-coded	
Ethernet	Client	M12, 4-pin, D-coded, 100 Mbit/s
	AP	M12, 8-pin, X-coded, 1 Gbit/s
Antennas	SMA female, 50 Ω	

Mechanical Data

Dimensions excluding antennas	Client	130 mm × 100 mm × 36 mm
	AP	140 mm × 160 mm × 39 mm
Mounting	Wall mounting	

Environment

Operating temperature	-20 °C to +60 °C
Degree of protection	IP65

Security

Data	256-bit authenticated encryption
Device	Integrity through secure boot and encrypted firmware