

R&S® LANCOM PoE++ 10G Injector

Power supply for access points via PoE incl. 10G support



With the R&S® LANCOM PoE++ 10G Injector, you benefit from the advantages of a PoE-capable infrastructure, such as high flexibility and cost efficiency, without sacrificing 10G transmission speeds. Even without a PoE-capable switch, powerful (Wi-Fi 7) access points can be reliably supplied with power thanks to support of the PoE standard IEEE 802.3bt (PoE++) and 10 Gbps. Backwards compatibility with IEEE 802.3at (PoE+) and IEEE 802.3af (PoE) as well as multi-Gigabit support (1G / 2.5G / 5G / 10G) ensures flexible use in all network infrastructures. The R&S® LANCOM PoE++ 10G Injector can be placed up to 100 meters from the access points to provide ideal coverage even in hard-to-reach wireless areas.

- ▶ 1-port PoE injector with multi-Gigabit Ethernet support and support of link speeds of up to 10 Gbps
- ▶ Supports the PoE standard IEEE 802.3af/at/bt up to 65W
- ▶ Power supply through up to 100m of Ethernet cable
- ▶ Easy plug & play installation

R&S®LANCOM PoE++ 10G Injector

10 Gigabit Ethernet support, especially for powerful Wi-Fi 7 access points

With multi-Gigabit Ethernet and speeds of up to 10 Gbps, the R&S®LANCOM PoE++ 10G Injector reliably supplies access points with power, even if they are connected to a switch without PoE capability. This means that end devices can use the full network performance without any loss of performance, even at locations without a direct power connection.

Full power thanks to PoE, PoE+, and PoE++

As it supports the PoE standards IEEE 802.3af (PoE), IEEE 802.3at (PoE+), and IEEE 802.3bt (PoE++), the R&S®LANCOM Injector is the optimal choice for powering all of your R&S®LANCOM access points by means of Power over Ethernet. Even high-performance products operate without performance loss.

High output power

With power supplied as per IEEE 802.3af/at/bt with a guaranteed power output of 65W over up to 100m, the R&S®LANCOM PoE++ 10G Injector gives you the flexibility to position your access points for perfect signal coverage.

Integrated power supply unit

Thanks to the power supply unit integrated into the R&S®LANCOM PoE++ 10G Injector, the IEC connector supplied with it is the only additional component you need—a space-saving solution.

Plug & play

The R&S®LANCOM PoE++ 10G Injector works with a convenient plug & play installation for quick and easy integration into the network. Simply connect the R&S®LANCOM PoE++ 10G Injector between the switch and the access point and use the power cord to supply electricity.

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Interfaces	
LAN	10/100/1000/2500/5000/10000 Mbit/s, PoE compliant with IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt (up to 65W)
Hardware	
AC Input Voltage and AC Frequency	100 to 240 V AC, 50 to 60 Hz
Output Voltage	56 V DC
Output power	up to 65W
Indicators System Indicator	two LEDs showing operation condition
Connectors	Shielded RJ-45, EIA 568A and 568B
Environment	Operating Ambient Temperature: -10°C - 40°C; Storage Temperature: -25°C - +65°C; Humidity max. 90%, non-condensing
Protections	Overvoltage, Overload/Overcurrent, Over Temperature, Short Circuit (all with Auto-Recovery)
Efficiency	88% (115VAC/60Hz), >89% (230VAC/50Hz)
Declarations of conformity*	
*) Note	The full text of the specific Declaration of Conformity is available here
Safety Approvals	UL, CE, CCC, EN 62368, DoE VI, CoC tier II
Scope of delivery	
Manual	Printed Installation Guide (DE/EN)
Cable	IEC power cord
Support	
Warranty	2 years Support
Item number(s)	
R&S® LANCOM PoE++ 10G Injector (EU)	61839

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