

AE WirelessConnect

Lots of data – no cable



- \ Intelligent wireless network
- \ Easy communication links
- \ Flexible installation options

The radio module AE WirelessConnect secures the wireless communication of all inverters of a PV system. It can network together up to 2000 inverters and transfer their data. AE WirelessConnect uses a radio standard, which also establishes and maintains secure and reliable connections even in high interference industrial environments. In this context, the module is simultaneously used as a repeater, so that distances over several kilometers can be bridged without difficulty. The range of such an individual connection can total up to 300 m. The radio modules have very low power consumption and are supplied directly by the inverter. The network is password-protected. This means that data is transferred securely, remaining invisible to non-authorized network participants.

TECHNICAL DATA

AE WirelessConnect

Item no. 911R002

RADIO SYSTEM

Frequency range, GHz	2.4 ... 2.5 (ISM band)
Transmission power, dBm	Max. 20
Receiver sensitivity, dBm	-99 at a bit error rate of 0.1%
Transmission rate	Up to 2.1 Mbits/s per hop and or between neighboring AE SiteLink
Range	Up to 300 m per hop
Network size	Up to 2000 nodes
Connections	Up to 4 + 1
Security	128-bit encryption
Antenna	External antenna

EXTERNAL INTERFACE

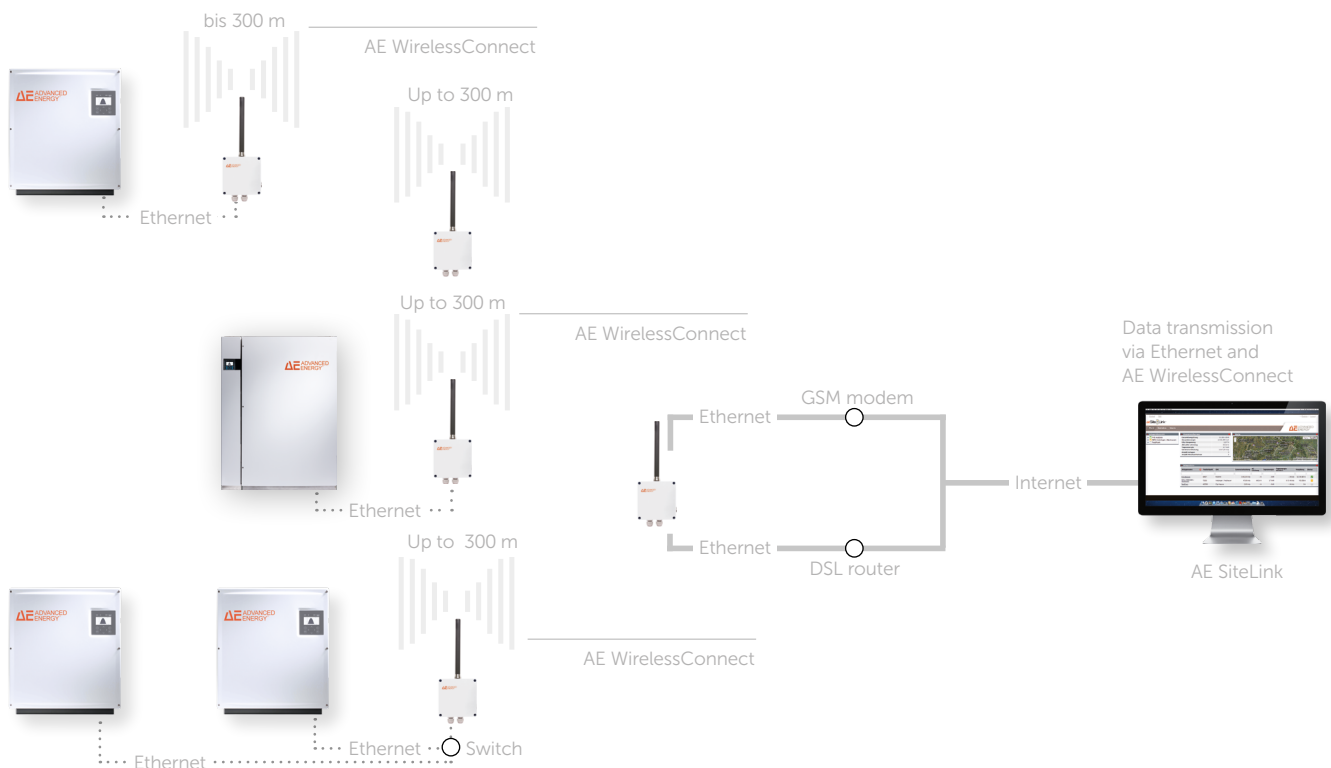
Voltage supply	7 ... 28 V / DC; 1,6 W typisch / 2,8 W max.
Ethernet	IEEE 802.3u (Fast Ethernet), 10/100 Base-T

DIMENSIONS/WEIGHT

Dimensions Width/Height/Depth, mm	120/122/65
Antenna dimensions length/diameter, mm	200/16
Weight, g	approx. 400

ENVIRONMENTAL CONDITIONS

Permissible temperature range, °C	-25 ... +60 (during operation, storage and transport)
Protection class	IP65 (suitable for use outdoors)



Subject to modification. Technical specifications are subject to change without notice.