

18dBi Directional Panel Outdoor Antenna

Product Overview

The LevelOne WAN-2180 Directional Panel Outdoor Antenna provides outdoor WiFi spots, hotspots and RFID reception areas with extended wireless network access to 802.11b, 802.11g and draft 802.11n wireless local area networks.

Connect to LevelOne Access Points and Routers

The WAN-2180 easily connects to LevelOne wireless routers and access points to provide extended wireless network coverage to outdoor areas. The directional design of the WAN-2180 offers increased wireless signal coverage in a specific direction, allowing for improved data throughput over extended areas.

High-Quality Outdoor Antenna

The OAN-2150 Outdoor Antenna is made of non-corrosion materials and is weatherproof making it suitable for all weather conditions. It can withstand wind gusts of up to 180km/h and provides lightning protection.

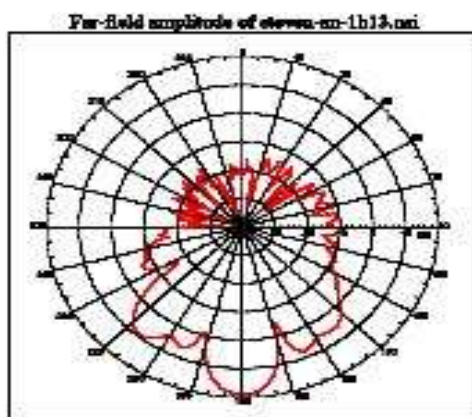


WAN-2180

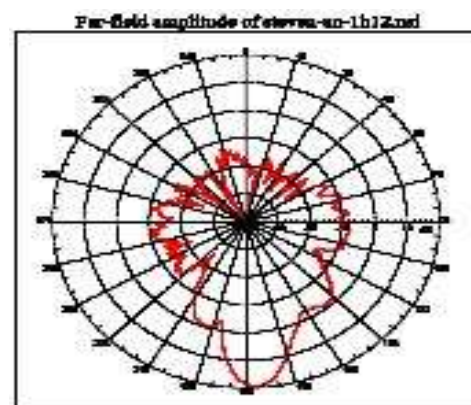
Key Features

- For IEEE 802.11b/g/draft-n Wireless applications in 2.4G ~ 2.5GHz ISM Band
- 18dBi Directional and Multi-point operation
- Lightweight and all-weather operation
- Outdoor antenna for public hot-spots, WiFi and RFID applications
- DC Short and lightning protection
- Includes tilt and swivel mast mount brackets

Radiation Patterns



Vertical-Plane Co-polarization



Horizontal-Plane Co-polarization

Technical Specification

Electrical Specification	
Frequency Band	2400MHz – 2500MHz (2.4GHz ~ 2.5GHz)
Gain	18dBi
VSWR	≤1.5
Polarization	Vertical
Vertical Beam width	17°
Horizontal Beam width	17°
Impedance	50Ω
Connector	Fixed N Female
Admitted Power	30W
Antenna Type	PCB patch array
Environmental & Mechanical Characteristics	
Antenna Size	365mm x 365mm x 20mm
Weight	800g
Wind Survival	180km/h (120mph) wind gusts
Random Material	ABS Grey
Operating Temperature	-20°C ~ +80°C
Clamps	U-Bolt
Mounting Pipe	32mm – 45mm

Ordering Information

- **WAN-2180:** 18dBi Directional Panel Outdoor Antenna

For more information, please contact your LevelOne representative, or visit www.level1.com
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