LanPro LP-1520ai WLAN AP (Specification Sheet)

Features

- High Power: 0.8W output power for longer range.

- Environment: Outdoor Capable, weatherproof Enclosure.

- Antenna: Integrated.

- No need for a local power supply. Powered through the Ethernet Data cable. Complies the IEEE 802.3af PoE Standard.

- Self Healing: Watch Dog Timer prevents soft resets

- Security WEP/WPA/WPA2 encryption.

- Capable of serving as an AP, Bridge, Hot-Spot and Repeater.

LanPro LP-1520ai WLAN AP with IEEE 802.3af Compatible PoE Input (Specification Sheet)

The LanPro's LP1520ai Wireless AP's most remarkable characteristics are it's *full Weatherproof* features which enable this equipment to operate in very harsh environmental conditions (Salty, Sun, Humidity, etc). Besides this, the LP-1520ai has *800 mW* of RF Power into the Antenna, enough to warrant reliable communications over 2 Km links of point to point to multi-point networks or 3.5Km on ISP WIFI cell client applications.

The Integrated antenna of the LP-1520ai minimizes cable losses and facilitates its mounting on walls or poles by combining the AP and it's Antenna.

PoE IEEE 802.3af standard support facilitates powering of the device and simplifies installation. Distance supported: 100 m.

The LP-1520ai's *Watch Dog Timer* function, named by ISP's as *"The Magical Electronics"*, delivers a *"Self Reset"* to the hardware in the event that the device *"Hangs-up"*, inhibiting proper operation of the device. All of these features make the LP-1520ai a reliable, robust and integrated solution for WIFI based projects.
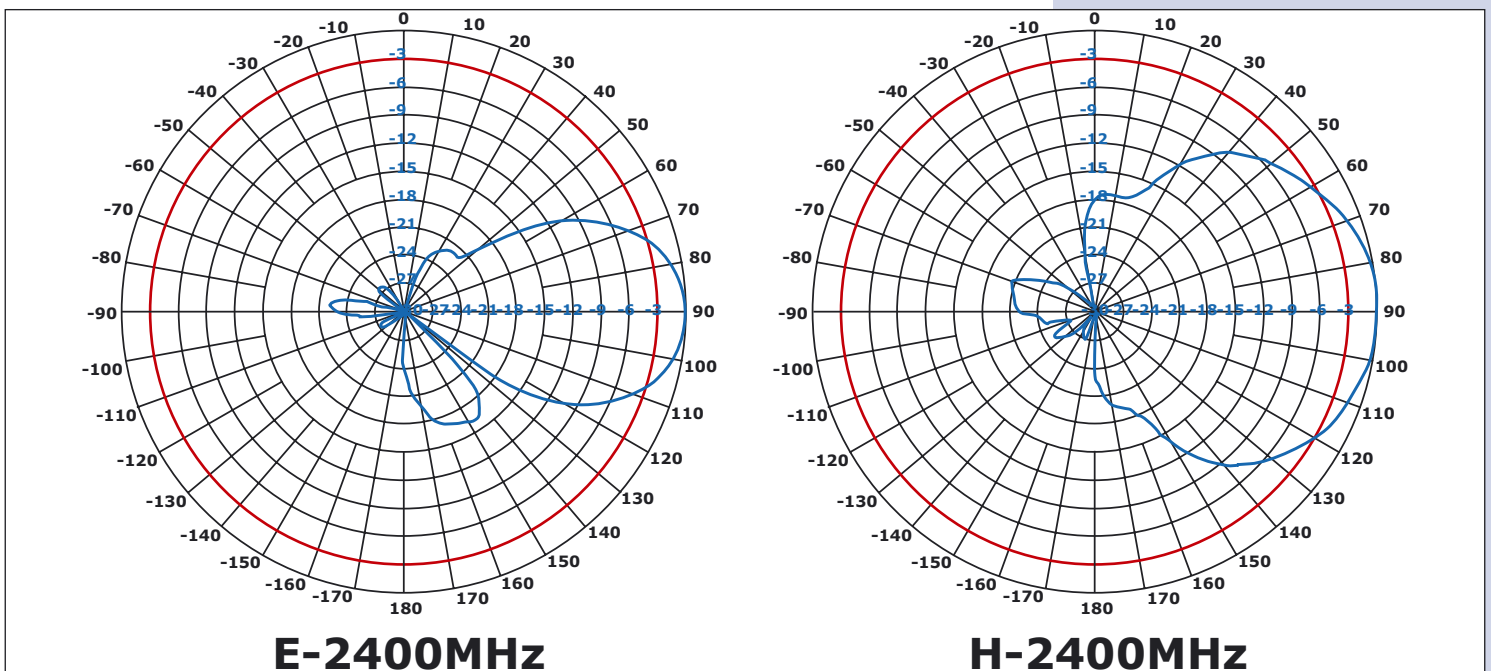
www.lanpro.com

A Technical Specificactions.

Ethernet Connection	Standard 802.11b/g(Wireless), 802.3u(100BaseT)
Data Transfer Rate	54Mbps(Wireless), 100Mbps(Ethernet)
Modulation Method	CCK(802.11b), OFDM(802.11g)
Frequency Band	2.4GHz - 2.483GHz ISM Band, DSSS
RF Output Power	CCK< 29dBm (Typical)±1, OFDM< 25dBm (Typical)±1
Receiver Sensitivity	802.11b -108 dBm@10%, 802.llg -98 dBm@8%
Operation Range	600 to 3500 meters (dependent on obstacles and surroundings)
Security	64 bit/ 128 bit WEP, WPA, WPA2, TKIP-AES, Radius-PSK
MAC Access Control	Allow or deny Mac Address List access control
Power over Ethernet (PoE)	Standard: 802.3af
Operating Temperature	0 ~ 50°C ambient temperature
Storage Temperature	-20 ~ 70°C ambient temperature
Humidity	95 % maximum (non-condensing) @ 55ºC
Dimensions	190 x 165 x 120 [mm]

B Antenna Specifications

Bandwidth-MHz [MHz]	83
Gain-dBi [dBi]	12
Horizontal Beamwidth [º]	60
Vertical Beamwidth [º]	45
F/B ratio-dB [dB]	≥18
VSWR	≤1.5
Input Impedance [Ohm]	50
Polarization	Vertical

Antenna Patterns LP-1520ai

E-2400MHz   **H-2400MHz**

C How to order

LP-1520ai 2.4 GHz WLAN AP