E-LINK Rapid 6.0 Wave 2.0 MU-MIMO Dual-Band 1300 Mbps Outdoor Access Point

OVERVIEW

E-LINK Rapid 6.0 is 802.11ac Wave2.0 dual-band high power industrial use outdoor access point with high speed of 1300 Mbps (2.4GHz 400Mbps, 5.8GHz 900Mbps). The Gigabit WAN port and high data rate makes high density of users access concurrently and enjoy seamless streaming of high bandwidth-intensive applications. E-LINK Rapid 6.0 provides great communication efficiency by complying with Wave2.0 Technology, 256 QAM modulation, supporting Spatial Streams MU-MIMO (Multi-User Multiple-Input Multiple-Output).

E-LINK Rapid 6.0 Wave2.0 amplifiers are designed to provide 300mW high power. The N-type waterproof connectors can connect with panel or omni outdoor antenna which greatly increases the Wi-Fi range and supplies a very stable signal.

E-LINK Rapid 6.0 Wave2.0 excels in interference mitigation, performance, stability with its Beamforming, DFS, Airtime Fairness, Band Steering and OFDM. E-LINK Rapid 6.0 Wave2.0 works with WLAN controller in wireless AP operation mode with multiple user-friendly remote management features. It supports captive portal authentication like Member/SMS/no authentication login, etc. making the E-Link Rapid 6.0 suitable for enterprise WiFi networks. It supports Gateway (PPPOE, static IP, dynamic IP), Wireless AP, Repeater, WISP operation mode

It has an integrated IEEE802.3at Power over Ethernet (PoE), for easy installation and lower cost. This is useful to install in areas where power outlets are not readily available, eliminating the mess of altering existing network infrastructure. E-LINK Rapid 6.0 Wave2.0 has IP67 metal enclosure with operating temperature of -30℃ to 70℃, making it operationally suitable for any extreme weather conditions.

PRODUCT FEATURES

o   IEEE 802.11ac Wave2.0 Outdoor AP

o   Dual-band, 1300Mbps Data Rate; 300mW high power

o   4 x N type connector, can work with omni/panel antennas

o   Supports IEEE 802.3at PoE standard

o   Supports SSID broadcasting
    Multi SSID up to 8 (4 SSID in 2.4GHz, 4 SSID in 5GHz)

o   256 max users

o   Supports Beamforming, Band Steering

o   WAN: 1 x 10/100/1000Mbps

o   Supports DFS, Airtime Fairness, OFDM support

o   Central WLAN Controller allows Remote Management

o   Supports DDNS, VPN pass through

o   Supports Port forwarding and DMZ host

o   IP67 Outdoor metal enclosure

ORDERING INFORMATION

9180-00-60-05	E-LINK Rapid 6.0 Wave 2.0 MU-MIMO Dual-Band 1300 Mbps Outdoor Access Point MOQ 1-100
9180-00-60-05-M1000	E-LINK Rapid 6.0 Wave 2.0 MU-MIMO Dual-Band 1300 Mbps Outdoor Access Point MOQ1000
9180-00-60-05-M2000	E-LINK Rapid 6.0 Wave 2.0 MU-MIMO Dual-Band 1300 Mbps Outdoor Access Point MOQ2000

RADIO SPECIFICATIONS

Standard	IEEE 802.11ac/b/g/n, MU-MIMO technology
Frequency	2.4G: 802.11b/g/n: 2.4GHZ - 2.484GHz 5GHz:802.11a/n/ac MIMO: 5.150GHz~5.850GHz
Channel Size	20 MHz; 40 MHz; 80 MHz (5GHz Only)
Modulation	OFDM: BPSK, QPSK, 16-QAM, 64-QAM, 128-QAM (5GHz Only), 256-QAM (5GHz Only) DSSS; DBPSK, DQPSK, CCK
Signaling Rate	1300Mbps (2.4GHz 300Mbps, 5.8GHz 900Mbps)
Antenna	4 x N type connector; can work with omni/panel antennas
Output Power	5GHz: Up to 21 dBm (aggregated 24 dBm), 2.4 GHz: Up to 24 dBm (aggregated 27 dBm)
Interface	1 x 10/100 /1000Mbps RJ45 WAN Port 1 x 10/100 / 1000Mbps RJ45 LAN Port 1 x Reset button, press 10 seconds to revert to default setting

2.4 GHz Receiver Sensitivity	802.11b	11M	-85dBm	1M	-94 dBm
	802.11g	54M	-72dBm	6M	-90 dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-88 dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-86 dBm

5 GHz Receiver Sensitivity	802.11a	54M	-72dBm	1M	-90 dBm
	802.11n HT20	MCS7	-70dBm	6M	-88 dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-86 dBm
	802.11ac HT80	MCS9	-58dBm	MCS0	-85 dBm

Max Users	256

FIRMWARE SPECIFICATIONS

Operation mode	Wireless AP, Gateway, WISP, Wi-Fi Repeater
WAN Type	Dynamic IP/Static IP/PPPoE/L2TP (Dual Access) /PPTP (Dual Access)
Wireless Security	64/128-bit WPA / WPA2(PSK/AES) encryption
SSID	Multiple SSID (4 SSID for 2.4G, 4 SSID for 5.8G)
Firewall	IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding
Protocols	IPv4
System Requirements	Microsoft Windows 7, Windows 8, MAC OS, UNIX or Linux or latest
Management	Firmware GUI, Remote Management, WLAN Controller, Cloud Management System

PHYSICAL, ELECTRICAL & ENVIRONMENTAL

Power Consumption	48V PoE<30W
Temperature Range	Operating: -20º C to +55º C; Storage: -40º C to +70º C
Humidity	5% to 95% non-condensing
Mounting Bracket	Supports Wall-Mounted or Ceiling Mounted
Lightning Protection	±2KV lightning protection

BOX CONTENTS

Each Box Contains the following items	● E-LINK Rapid 6.0 Wave 2.0 MU-MIMO Dual-Band 1300 Mbps Outdoor Access Point ● Ethernet Cable ● Wall Mount Accessory ● Quick Start Guide