WAP-6003 Version: 1

150Mbps Wireless Access Point

The LevelOne WAP-6003 is a wireless access point that offers home and office users 802.11n technology at a competitive price. With wireless speeds of up to 150 Mbps, it offers big improvements on legacy 11g devices for users who want to surf the net, stream videos and conduct large file transfers all at the same time. Supports AP, client, WDS, and Repeater modes for customized wireless deployments. In WDS mode, WAP-6003 acts as a wireless bridge/Access Point hybrid for connecting to two separate wireless networks simultaneously. This provides greater access to network resources for more users. In Repeater mode, it allows extended coverage and greater signal strength for greatly improved wireless network (WLAN) range. The WAP-6003 handles simultaneous wireless traffic easily and efficiently.

1. LED Indicators
2. WPS Button
3. LAN Interface
4. Reset Button
5. Power Port
6. Wall-Mount Design

Key Features

- Provides flexibility of 5x 10/100BASE-TX ports
- Share your wireless network up to 150Mbps
- Compatible with IEEE 802.11b/g/n wireless standards
- Multi-operation modes to suit different wireless applications
- Provides up to 2 SSIDs to separate network traffic and enhance security
- Enlarge wireless network coverage through WDS technology
- Auto Channel Selection for low interference band
- Effortless wireless security with a simple push of the WPS button
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Supports WEP, WPA and WPA2 encryption with IEEE 802.1X for high level security

Works Well With

WCS-6050
5-Megapixel Day/Night Wireless P/T Network Camera - IR LEDs

WUA-0605
300Mbps Wireless USB Network Adapter

Specifications

System Specifications

Connectors and Cabling:
5x 10/100 Mbps Auto-MDIX RJ-45 Port

Button:
WPS Button; Reset Button

Indicator:
Status, WAN, LAN

Power:
DC5V / 1A

Standards & Protocols:
IEEE 802.3 10-BASE-T, Ethernet
IEEE 802.3u 100-BASE-TX, Fast Ethernet
IEEE 802.11e Wi-Fi Multimedia (WMM)
IEEE 802.1X Port-based Network Access Control (PNAC)
IEEE 802.3x Ethernet Flow Control
IEEE 802.11i Wi-Fi Protected Access (WPA2)
IEEE 802.11b, IEEE 802.11g, IEEE 802.11n Wireless Networking

Wireless

Operating Mode:
AP/Client/WDS (point-to-point/multi-point, max. 2 peer APs) /WDS Hybrid/Universal Repeater

Encryption:
WEP 64/128-bit Web share key encryption
WPA, WPA2 128-bit TKIP/AES encryption
WPA, WPA2-PSK TKIP/AES encryption

Receive Sensitivity(dBm):
802.11n (20MHZ): Range (-72 ~ -87) dBm
802.11n (40MHZ): Range (-68 ~ -87) dBm
802.11g : Range (-72 ~ -91) dBm Error Rate = 10% at room temperature.
802.11b: Range (-89 ~ -91) dBm Error Rate = 8% at room temperature.

Channel:
Ch.1 ~ 11 USA
Ch.1 ~ 13 EU

EIRP(dBm):
802.11n: 14dBm ± 1dBm
802.11g: 14dBm ± 1dBm
802.11b: 17dBm ± 1dBm

Antenna:
1x 2dBi Detachable Dipole Antenna (5dBi option available)

Frequency Band (GHz):
2.4 ~ 2.4835 GHz

Data Transfer Rate:
802.11n: 150 ~ 78 Mbps
802.11g: 54 ~ 6 Mbps
802.11b: 11 ~ 1 Mbps

Features

General:
Auto Channel Selection
WPS setup with PBC/PIN Support
Multi-SSID: 2 SSIDs

Security:
802.1x RADIUS support
Wi-Fi Protect Setup (WPS) Push Button
SSID Broadcast On/Off

Management:
Web-Based GUI Configuration
Syslog monitoring
SNMP V1/V2c supported

QoS:
802.11e WMM Supported

Ease of Use:
Web-based GUI with Quick Installation Wizard
Web-based (HTTP) firmware upgrade

Environment

Temperature (°C):
Operating: 0°C ~ 40°C
Storage: -20°C ~ 70°C

Humidity (Non-condensing):
Storage: 0 ~ 95%
Operating: 10 ~ 85%

Physical Specifications

Dimensions (W x D x H mm):
185 x 119 x 32mm

Weight (g):
230g

Others

Approval and Compliance:
CE, FCC

Deployment:
Desktop, wall-mounted

Diagram

AP Mode

Internet — xDSL Modem — WAP-6003

Computer

Notebook   IP Camera

AP Client Mode

Internet — xDSL Modem

Computer

WAP-6003

WAP-6003 — Computer

Notebook

WDS Mode

Internet — xDSL Modem

Computer

WAP-6003

WAP-6003 — Computer

WAP-6003 — Computer

WDS Hybrid Mode

Universal Repeater Mode

Order Information

WAP-6003

Package Contents

Power Adapter
Antenna
RJ45 Ethernet Cable
Quick Installation Guide
Resource CD (User Manual, QIG)