

P-360 Hotspot-in-a-Box

The ideal access point and access controller for public wireless access at small venues



The P-360 Hotspot-in-a-Box is a stand-alone network device designed to provide user-friendly and secure wireless public access for small venues like cafés or restaurants. Up to 50 users can log-on to a public Internet service simultaneously.

Hotspot in a box

The Gemtek Systems P-360 is not only a wireless LAN access point but it also integrates a complete access controller for wireless hotspots. One single P-360 can serve up to 50 simultaneous users, takes control over authentication, accounting and routing to the Internet as well as to the operator's central. The integrated Universal Address Translation (UAT) function takes away the complexity of changing subscribers' IP settings. UAT allows any PC configuration to access the Internet service.

Security

When using the web login method user names and passwords are secured over SSL. With an 802.1x/EAP software client the P-360 supports secure authentication based on certificates, usernames, or SIM cards. Dynamic WEP support enables automatic distribution of per-session keys and re-authentication. VPN clients with IPsec or PPTP are supported for additional security. The VPN client of the P-360 can secure all authentication and accounting information to an operator's RADIUS server via an encrypted tunnel. The Layer-2 isolation feature effectively prevents peer-to-peer communication between client stations. The AP is designed for wall mount with integrated theft-protection.

High performance & maximum coverage

Designed to provide quality connectivity for Wi-Fi hotspots, the Gemtek Systems P-360 AP combines high receiver sensitivity and integrated diversity

antenna technology to maximize coverage. For further range extensions P-360 cells can be interconnected via a Wireless Distribution Systems (WDS).

Wi-Fi certified

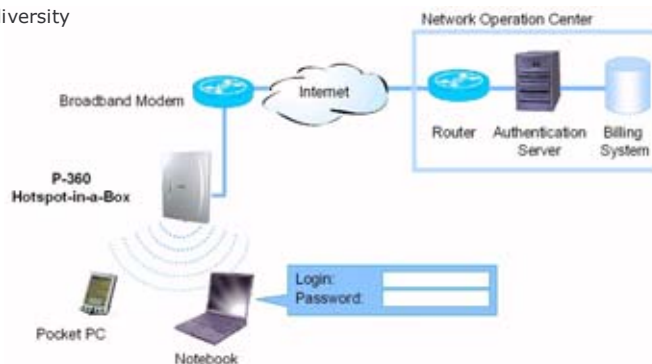
Tested and certified for interoperability by the Wi-Fi Alliance (802.11b), the P-360 will support all Wi-Fi certified client devices; the industry-standard for wireless networking.

Lowest Total Cost-of-Ownership

With a P-360 access point operators can set up a public access services at lowest cost-of-ownership. At the spot just one Hotspot-in-a-Box directly connected to a broadband Internet modem (e.g. DSL or cable) is required to start the service. Using a Power-over-Ethernet hub (Gemtek Systems E-110 or E-810) installation costs can be squeezed to a minimum at maximum flexibility.

Product Highlights

- Wi-Fi Access Point, Access Controller and Router
- AAA RADIUS client with EAP support
- WISPr compliant homepage and e-mail redirection
- 802.1x/EAP support
- IP Routing with NAT, firewall filters, PPPoE, PPTP
- VPN client, VPN pass-through
- Power-over-Ethernet support
- Theft protection system



About Gemtek Systems

Gemtek Systems is a global Wi-Fi Public Access systems and solutions provider.

P-360 Specification

FEATURES			
• IEEE 802.11b Access Point, Wi-Fi certified	• 802.1x/EAPoLAN with MD-5/TLS/TTLS/SIM support, MAC authentication		
• 40/128-bit WEP security with re-keying (WPA compatibility in preparation)	• RADIUS AAA client with EAP support		
• WISPr and iPass compliant authenticator for browser based log-on, White list (walled garden)	• External web portal support with Https/XML interface		
• IP Router with NAT, Port forwarding, PPPoE, DHCP, PPTP client	• Firewall Filters		
• Universal Address Translation	• DHCP server, DHCP relay gateway, DHCP client		
• WDS - Wireless Distribution System to connect client stations and AP concurrently. (Max. 250 clients, 7 APs)	• Layer 2 User Isolation		
• Per-User bandwidth management via RADIUS	• Remote management via HTTPs, Telnet, SSH, SNMP, Remote Software Updates		
• Auto Channel Selection	• IPsec and PPTP pass-through		
• Integrated Site Survey, Station supervision, Loopback test	• Adjustable RF output power		
• VLAN support (one VLAN tag per AP)	• VPN client (PPTP with encryption)		
INTERFACE			
Ethernet Interface	10/100 base-T, RJ-45 Ethernet port for connection to LAN		
Serial Console Port	DB-9 connector (internal)		
WIRELESS			
Standard	IEEE 802.11b DSSS (2.4GHz ISM band)		
Data Rate	11Mbps, 5.5Mbps, 2, Mbps, 1Mbps (auto fallback)		
Channels	Up to 13 channels selectable based on regulatory domain settings		
RF Transmit Power	0 - 20dBm (adjustable in steps 0/10/13/16/20 dBm)		
Sensitivity	Data Rate	Sensitivity	Modulation
	11Mbps	-84dBm	CCK
	5.5Mbps	-87dBm	CCK
	1Mbps	-90dBm	DBPSK
Antennas	Two integrated diversity antennas: 6dBi directional antenna vertical polarization & 4dBi horizontal polarized antenna		
PHYSICAL SPECIFICATION			
Dimension	196 x 142 x 35mm / 7.7 x 5.6 x 1.4in (L x W x D)		
Weight	350g		
Housing	Ruggedized and flame-resistant plastic housing and plate that allows for placement on a wall, theft protection		
ENVIRONMENT SPECIFICATION			
Temperature	0°C to 55°C		
Humidity	10% to 95%, non-condensing		
POWER SUPPLY			
Power-over-Ethernet IEEE 802.3af compliant, optional PoE hub available, or internal 5V connector for optional AC/DC converter 100/230V to 5V DC/1.5A, 3W max			
LEDS			
3 LEDS	RF activity, LAN activity, Power		
MANAGEMENT			
Interfaces	HTTPs, Telnet, SSH, SNMP (MIB II, 802.11 MIB, private MIB), Terminal		
Software Update	Remote Software Update via HTTPs, FTP		
Performance Monitor	Tx / Rx		
Reset	Remote reset / Manufacturing reset		
WARRANTY			
2 years			
PACKAGE CONTENTS			
• P-360 11Mb Hotspot-in-a-Box	• CD-ROM with software and documentation		
• Ethernet patch cable	• User guide		
• Wall mount kit			