

Flexibility and high performance

Gemtek Systems' P-780 is built for a high-performance and feature-rich outdoor Access Point and Bridging solutions for HotZone and backhaul service. With two dual-band radios operate AP, Bridge and Repeater working modes provide the furthest flexibility wireless network deployment:

- ▲ Simultaneously supports 802.11a/b/g in one platform
- ▲ Mix of AP and Bridge configuration: working simultaneously, blanketing last miles with high-speed bandwidth
- ▲ Dual AP configuration: for high client density environment
- ▲ Dual Bridge (repeater) configuration: for Public Organizations to extend the coverage of wireless network and bridging

Secure and reliable wireless networking

Gemtek Systems' P-780 supports and meets all security requirement of wide area networking professionals for secured wireless network:

- ▲ Supports VLAN, up to 16 VLAN ID per Radio
- ▲ IEEE 802.1x/EAP with password, certificates and SIM card
- ▲ 64bits/128bits static and dynamic WEP key
- ▲ Supports Wi-Fi Protected Access (WPA) with AES support
- ▲ Layer 2 Isolation for preventing snooping on the same BSS
- ▲ MAC ACL for preventing illegal attacking from Internet. Full software upgradeable to 802.11i



Multiple BSSID

Supports up to 16 BSSID per radio and each can be configured independently to support range of security policies, authentication methods, RADIUS servers and VLAN IDs.

Simple installation and maintenance

Weatherproof housing design and supporting IEEE 802.3af Power-over-Ethernet dramatically reduces the cost and the effort of outdoor installation and maintenance.

Easy and Secure remote management

Gemtek Systems' P-780 supports secure remote management with HTTPS, CLISH and SNMP.

- ▲ Web-based user interface with HTTPS request supplies secure remote management
- ▲ Gemtek Systems NMS product supplies the system management solution
- ▲ Remote software upgrading via HTTPS

Key Feature

- ▲ IEEE 802.11a/b/g Access Point
- ▲ IEEE 802.11a/b/g Super Bridge (PtP, PtMP and Repeater)
- ▲ Two dual-band radios, supporting 802.11a/g/b simultaneously
- ▲ Dynamic Channel Allocation (DCA)
- ▲ 64bits, 128bits static and dynamic WEP
- ▲ MAC ACL
- ▲ Hidden SSID for blocking illegal users accessing
- ▲ Supports up to 16 VLAN ID
- ▲ Remote secure management by HTTPS and SNMP
- ▲ Multiple BSSID
- ▲ Supports WPA
- ▲ Layer 2 Isolation
- ▲ Supports 802.1x/EAP with TLS, TTLS, PEAP, SIM
- ▲ Backup/Restore settings
- ▲ Remote firmware upgrade



Management

- ▲ Interface: Https, Telnet, SNMP
- ▲ Software Upgrade: Remote software upgrade via HTTPS
- ▲ Restore Default: Remotely restore factory default

Wireless Specification

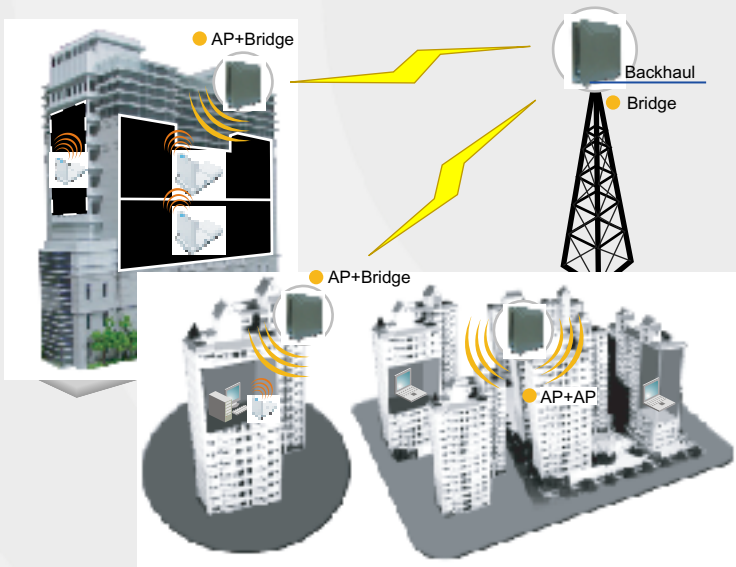
- Standard: IEEE 802.11b(DSSS), IEEE 802.11g(OFDM) and IEEE 802.11a (OFDM)
- Data Rates:
 - 802.11a: 54, 48, 36, 24, 18, 12, 9, 6Mbps
 - 802.11g: 54, 48, 36, 24, 12, 11, 9, 6, 5.5, 2, 1Mbps(auto fall back)
- Typical coverage: Up to 300m
- Transmit Power: Max. 17± 1.5dBm, @ 6~24 Mbps
Max. 13± 1.5dBm, @ 54 Mbps
(Maximum Power will vary by channel, rate and regulatory domain)
- Encryption : WPA, Dynamic/static 64bits and 128bits WEP
- Antenna: two N-Jack connectors

Related Product

Controller:G-8000 / G-4200

Access Point: P-720 Dual-Radio 2.4GHz/5GHz indoor AP
P-560 54Mb Hotspot-in-a-Box

Client: T-511 54Mb High Gain Smart Ethernet Client



Physical Environment

Interface

Ethernet: 10/100Mb Ethernet, auto-sensing, RJ-45 connector

Physics Characteristics

Dimension: 180 x 160 x 58mm

Weight: 1500g ±45g

Environment Characteristics

Temperature: -40°C ~ +60°C

Humidity: 95% (non-condensing)

Power Supply

Power-over-Ethernet: IEEE 802.3af compliance

Mechanical Characteristics

Ruggedized, waterproof and flame-resistant housing, wall mount

LEDs

3 LEDs: LAN, WLAN 1, WLAN 2

Warranty

1 year

Package Contents

- P-780 Dual-Band Outdoor Access Point
- CD with KickStart utility and Manuals (*.pdf)
- Warranty Card
- Warning Card
- Waterproof RJ45 Plug
- Waterproof Tape
- Mount kit and Screwbag
- A-807 Dual Band Omni Antenna
- Reset Post
- Release Note