

# G-4200

## SMB Public Access Controller

A scalable solution for secure public Internet at small and medium Hotspots

V2.2

### G-4200 SMB Public Access Controller

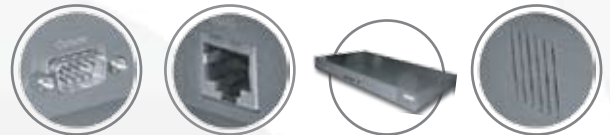
The Gemtek Systems G-4200 is a high performance and highly integrated Access Controller for public access networks. It combines an IP Router, a 4-port LAN Switch and a complete Access Controller for use in wireless hotspots. One single G-4200 can serve up to 200 simultaneous users, takes control over authentication, accounting and routing to the Internet as well as to the operator central. Built-in AAA systems make hotspot owners setup public access services without any RADIUS server.

### Multiple Authentication Methods and Accounting

The G-4200 supports multiple secure authentication methods from standard web browser login (Universal Access Method), MAC authentication, to 802.1x/EAP with passwords, certificates or SIM cards. The integrated real-time accounting system is based on standard RADIUS/EAP and supports various billing plan from prepaid, pay-per-time, per-volume, per-use or flat rate. Integration into existing OSS/BSS systems can be done with ease.

### Built-in AAA with e-Billing and Pre-Paid

Advanced built-in AAA with e-Billing enable private hotspot owner to setup a public access service without any RADIUS Server. Hotspot owner can manage customers with predefined access and billing plans for post-paid subscribers. It also offers an optional account printer for those pre-paid users who can quickly & easily access Internet. Both built-in accounts and Telco roaming accounts are supported simultaneously.



### Backend Integration

The G-4200 is compliant to the recommendations of the Wi-Fi Alliance 'Best Current Practices for Wireless Internet Service Provider Roaming' (WISPr). G-4200 has been tested for interoperability with various leading RADIUS and Web application servers (e.g. Funk, AirPath, WiFiCom, iPass). For security purposes all AAA and management traffic to the network operation center can be tunneled and encrypted by the internal VPN gateway.

### Customizable Login Pages

Service providers can benefit from the flexible web redirection service. G-4200 provides a set of location, browser, and user-specific information to the backend system to enable value added personalized services provided by the WISP. Detailed location information is available via Https/XML interfaces. Web pages can be either stored locally on the G-4200 or remotely on a web portal server.

### Zero Configuration for Subscribers

G-4200 makes internet access very easy and user-friendly for the end-user. Subscribers will be redirected to the providers welcome page automatically regardless of their PC configuration. The UAT (Universal Address Translation) feature will accept and translate fixed company IP settings and web proxy configurations - so end-users do not have to reset their corporate IP or web settings.

### Remote Management

You can choose a variety of different management interfaces to remotely configure, monitor, or update the G-4200 and the devices behind the controller. The G-4200 can be managed via SNMP, https, SSH or telnet.



# G-4200

## SMB Public Access Controller

A scalable solution for secure public Internet at small and medium Hotspots

V2.2

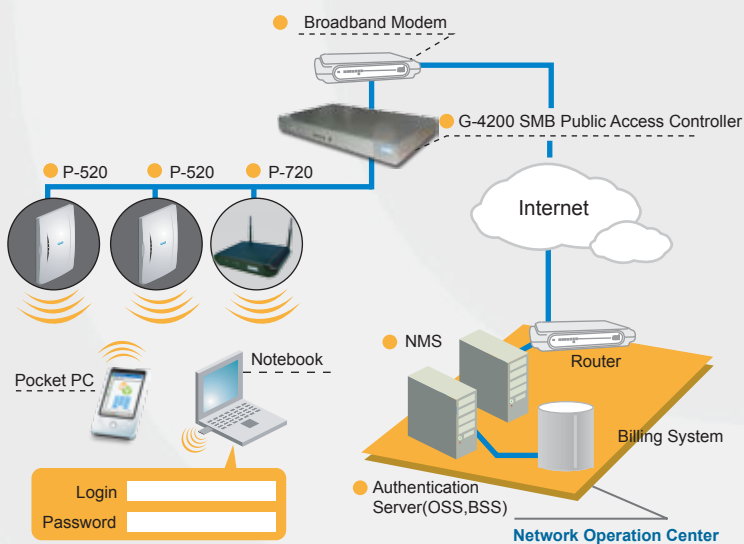
### Feature Highlight

- ▲ User authentication with UAM (Universal Access Method), 802.1x/EAPoLAN, MAC Address
- ▲ AAA Radius client and proxy server with EAP support
- ▲ Built-in AAA server with e-Billing up to 500 user accounts
- ▲ Universal Address Translation (UAT), web proxy support
- ▲ WISPr compatible log-on via web browser with SSL/TLS
- ▲ Unlimited White List (walled garden area, free web sites)
- ▲ Customizable welcome, log-on, and log-off pages, XML support (internal, external) and HTML support
- ▲ E-mail redirection
- ▲ IP routing with IPsec and PPTP pass-through, NAT/NAPT, Port-forwarding
- ▲ Per-user bandwidth management via RADIUS
- ▲ PPPoE, PPTP, DHCP client (for WLAN)
- ▲ DHCP server/relay/Client
- ▲ VPN Client, PPTP/MPPE, GRE
- ▲ Remote management via SNMP v1, 2c, SNMP proxy, https, SSH, telnet ,console
- ▲ Management subnet for remote AP management

### Product Specification

#### Interface

LAN	4 switched ports 10/100Base_T/Tx, (RJ-45), auto-sensing
WAN	1 port 10/100Base_T/Tx(RJ-45), auto-sensing
Console	1 X DB9 Male (RS 232) for optional account printer



#### Dimension & Weight

Dimension	H:436 x L:260 x W:44 mm
Weight	3.5kg

#### Environment

	Temperature	Humidity
Operating	0°C ~ +55°C	10% to 90% (non-condensing)
Storage	-10°C ~ +65°C	10% to 90% (non-condensing)

#### Power Source

Input	Auto sensing 100 - 240 VAC; 50/60 Hz
Power Consumption	10W

#### LEDs

(7 LEDs ), Online, LANx-RX/TX, WAN-RX/TX

#### Enclosure

19" rack mountable, 1U, metal housing

### Network Management

Remote Management	HTTPs, Telnet, SSH , SNMP (v1, v2c, 3, ),SNMP Proxy, and Fully manageable using Gemek Systems NMS (S-4000/S-6000)
MIB	MIB II for IP (RFC 1213), Ethernet MIB, GSI Private MIB, 802.11 MIB
NTP Synchronization	RFC 1305
Syslog	Remote Activity Syslog
Reset	Remote reset / Manual reset
Firmware Upgradeable	Remote Firmware upgrade via HTTPs, TFTP

### Compliance

FCC ClassA

### Warranty

Two years

### Related Product

Access Point	P-520 Operator Access Point P-720 Dual Radio 2.4G/5GHz Access Point P-780 Dual Radio 2.4G/5GHz Outdoor Access Point P-560 Plus Hotspot Access Point
PoE Device	E-820 Managed Power-over-Ethernet Switch

Application

#### Browan Communications Inc.

No.1 Jen Ai Rd,  
Hsinchu Industrial Park,  
Hukou, Hsinchu,  
Taiwan, R.O.C. 303  
Tel: +886-3-5985535  
Fax: +886-3-5972970

#### Browan Communications Inc., China

4F, C Building, No.1618, Yishan Rd.,  
Shanghai, China  
Tel: +86-21-64656780  
Fax: +86-21-5422254  
ZIP: 201103