

# Wireless Access Point

802.11n 2.4GHz | 5 Gigabit Ethernet Ports

## WAP-5891u FTTH Gateway



The WAP-5891u is an 802.11n 2.4GHz concurrently compliant VoIP Gateway. It employs a 10/100/1000 Base-T Gigabit Ethernet port for WAN, four 10/100/1000 Base-T Gigabit Ethernet ports for LAN, one USB Host, one WiFi On-Off/WPS button, and an integrated 802.11n 2.4GHz(2T2R) for WLAN Access Point (AP), which is backward compatible with 802.11b/g; therefore WAP-5891u allows both wired LAN connectivity and wireless connectivity. It is also capable of facilitating predictable, real-time, toll-quality voice over the Internet.

WAP-5891u connects to xDSL or GPON (Gigabit-Capable Passive Optical Network) modem and supports state-of-the-art security features such as WPA data encryption, Firewall & VPN pass through. It is designed for both residential and business applications that require wireless and wired connectivity. WAP-5891u is also designed with a TR-068 compliant color panel and LED indicators for easy installation and user-friendliness. WAP-5891u supports Triple services (Data+VoIP+IPTV) by wired or wireless protocol.

### FEATURES

- Integrated 802.11n AP (backward compatible with 802.11b/g)
- WPA, 802.1x and RADIUS client
- WMM, WPS 2.0
- IPv6 compliant
- UPnP
- IGMP Snooping/Proxy
- DNS Proxy
- DHCP Server/Client
- Dynamic IP assignment
- NAT/PAT
- IP/MAC address filtering
- Static route and RIP/RIP v2 routing function
- Packet level QoS
- 3G Backup and Printer Server (IPP)
- USB mass-storage and file sharing (Samba)
- Embedded SNMPv1/v2c/v3 agent
- Telnet/SSH/FTP/TFTP server
- TR-064/TR-069/TR-098/TR-111/TR-143
- TR-069 compliant with Comtrend ACS
- Configuration backup and restoration
- Web-based management (HTTPS/HTTP)
- Remote administration, automatic firmware upgrade and configuration

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## SPECIFICATIONS

### Hardware Interface

- RJ-45 X 1 for WAN (Giga Ethernet)
- RJ-45 X 4 for LAN (Giga Ethernet)
- Reset button X 1
- Power switch X 1
- 11n 2.4GHz WiFi On-Off/WPS button X 1
- Dual Band Wi-Fi external Antenna X 2
- USB Host X 1

### LAN

- IEEE 802.3, IEEE 802.3u
- 10/100/1000 BaseT auto-sense
- MDI/MDI-X support

### Wireless

- IEEE802.11n 2.4GHz, backward compatible with 802.11g/b
- 64, 128-bit Wired Equivalent Privacy (WEP) Data Encryption
- 11 Channels (US, Canada)/ 13 Channels (Europe)/ 14 Channels (Japan)
- Up to 300Mbps at 2.4GHz data rate
- 20MHz/40MHz bandwidth
- WPA/WPA2
- IEEE 802.1X
- WMM

### 3G

- Supports 3G USB dongle
- Supports 3G Backup

### QoS

- Packet level QoS classification rules
- Supports four transmit priority queues
- IP TOS/Precedence
- 802.1p marking
- DiffServ DSCP marking
- Source/destination MAC addresses classification
- PAP, CHAP, Packet and MAC address filtering, SSH
- IPSec Termination

### Networking Protocols

- PPPoE pass-through, Multiple PPPoE sessions on single WAN interface
- Transparent bridging between all LAN and WAN interfaces
- 802.1p/802.1q VLAN support
- Spanning Tree Algorithm
- IGMP Proxy V1/V2/V3, IGMP Snooping V1/V2/V3
- Static route, RIP v1/v2, ARP, RARP, SNTP
- DHCP Server/Client/Relay
- DNS Proxy, Dynamic DNS
- Internet Printing Protocol
- UPnP
- IPv6 subset

### Firewall/Filtering

- Stateful Packet Inspection Firewall
- Stateless Packet Filter
- URL Filtering
- Day-time Parental Control
- Prevent Port Scanning and packet attack
- Denial of Service (DOS): Ping of Death, LAND, SYNC, Smurf, IP with zero length, Teardrop, TCP Null Scan
- TCP/IP/Port/interface filtering rules Support both incoming and outgoing filtering

### NAT/NAPT

- Support One to One and Many to One NAT
- Port Triggering
- Port Forwarding (Virtual Server)
- Symmetric port-overloading NAT, Full-Cone NAT
- DMZ host
- VPN Pass Through (PPTP, L2TP, IPSec)

### Management

- TR-064/TR-069/TR-098/TR-111/TR-143, SNMP, Telnet, SSH, Web-based management, Configuration backup and restoration
- Software upgrade via TR-069/HTTP/TFTP/FTP

### Application Layer Gateway (ALG)

- FTP, SIP, H.323, RTSP, L2TP, IPSec

### Environment Condition

- Operating temperature: 0 ~ 40 degrees Celsius
- Relative humidity: 5 ~ 95% (non-condensing)



**COMTREND CORPORATION**

**Taiwan:**  
3F-1, No.10, Lane 609, Chung Hsin Road Section 5, San Chung,  
Taipei, Taiwan 24159  
Tel: 886-2-2999-8261  
Fax: 886-2-2999-8497

**Spain:**  
Edif. América II C/Prócion,7 portal 3 bajo H 28023 Madrid, Spain  
Tel: 34-917990403  
Fax: 34-913510999

**USA & Canada:**  
14 Chrysler, Irvine, CA 92618 US  
Tel: 1-949-7539640  
Fax: 1-949-7539020

**Czech Republic:**  
TOKOVO Jankovcova 1518/2, 170 00, Prague 7, Czech Republic  
Tel: 420-266-782040  
Fax: 420-266-782990