SWF 1210

Main Features

- IEEE 802.11b/g/n mode AP, 2T2R with 300Mbps high throughput
- 5-in-1 application layer security solution integrated
- Backend signature database actively update service
- Anti-virus (AV): Virus scanning, including HTTP/FTP/SMTP/POP3/ IMAP4 Protocols
- Web guard: Actively filter-out Malicious website (560K+ rule database)

- Intrusion Prevention (IPS): Intrusion scanning with 2,600+ rules signatures
- Application guard: Configurable Application blocking including IM and P2P
- Web filtering: Self-define Key word base URL filtering (35 pre-define categories)

Product Overview

As most of BYOD (Bring your own devices) and embedded devices are lack of right and efficient network security protection today, to provide a clean and safe WLAN communication for all connected devices/equipment, SWF 1210 security Access Point that integrates DPI (Deep Packet Inspection) scan engine to protect traditional PC based equipment and also non-PC embedded devices from network security threaten.

The SWF 1210 security Access Point is designed for small & medium business (SMB) who lack of resources and skillful MIS management. SWF 1210 is not only a high performance AP, but also embedded with 5 DPI based security software modules that commit a high throughput communication while still enjoy a safe WLAN environment.

All these signatures and rules are supported by backend signature database that makes sure you get the up-to-date protection. User gets first year free access right to signature database with the purchasing, and can be renewed by subscribe the annually update service. The renewal service provides customers nonstop internet protection.

Specifications

Wireless Radio
- Wireless Interface: IEEE 802.11b/g/n Radios operating in 2.4 GHz
- Wireless architecture:
  (1) AP mode
  (2) WDS mode (Repeater/Bridge)
- Tx Power (2.4GHz):
  - 10dbm @ HT40 MCS15
  - 13dbm @ 54Mbps (802.11g)
  - 17dbm @ 6Mbps (802.11g)
- Rx Sensitivity (2.4GHz)
  - 65dbm @ HT40 MCS15
  - 72dbm @ 54Mbps (802.11g)
  - 90dbm @ 6Mbps (802.11g)
- Antenna: 2 x RP-SMA Connector, 3 dbi antenna gain

Interface
- Uplink Port: 1 x 10/100/1000 Base-T Ethernet
- LAN Port: 4 x 1 x 10/100/1000 Base-T Ethernet
- USB 2.0 x 1
- Power switch

Management
- NTP based or manual time setting

- HTTP/HTTPS based Web GUI
- Configuration Profile Management
- Internal ramdisk based syslog server or external syslog server
- SNMP v1/v2c
- Support Multiple SSID

Network
- WAN: DHCP client/Static IP/PPPoE
- LAN: Static IP/Mask and integrated DHCP server
- Router/Bridge/WDS Mode
- Network address translation
- Policy based routing
- Dynamic DNS
- Normal or hiding SSID
- Wireless Security: No Encryption/WEP/WPA/WPA2/802.1x
- Basic IPv6 support
- Popular 3G/WiMAX/TD-LTE dongle support thru USB (conditional)

Firewall
- SPI (Stateful Packet Inspection) Firewall
- Access Control List
- Universal Plug and Play
- Port Forwarding

* Port Triggering

VPN pass-through
* IPSec pass-through
* L2TP/PPTP pass-through

OpenVPN Client
* Blowfish, 3DES, AES encryption support
* Routing and Bridge mode support
* UDP and TCP OpenVPN support
* 3 Authentication method: password, RSA key, or both

Security Specifications

Anti-Virus(AV)
* High Performance Streaming Anti-Virus Engine
* Packet-Based and Low Latency
* Scanning HTTP/FTP/SMTP/POP3/IMAP4
* Generic TCP Stream Scanning for other TCP flows
* Destroy popular Windows/Linux/Android virus, Trojan, spyware
* Default AV signature capacity could capture more than 32 million new virus/Trojan instances
* Signature rules could be renew by signature database
* Renew frequency is about 1~2 updates per day

Web Guard(WG)
* HTTP based attacks prevention from popular malicious websites
* Fine granularity for domain/path, not only domain
* Supporting URL keyword based blocking. For example, "sex" keyword for blocking website which contains this keyword in its URL.
* Automatic update via NEXCOM signature file distribution cloud
* Default WG signatures can block 20K newest malicious website URLs

Intrusion Prevention System
* High performance streaming intrusion prevention engine
* Packet-Based and Low Latency
* URL normalization
* Protocol Anomaly
* Traffic Anomaly detection and blocking
* Port scan detection and blocking
* Actions: drop packet/drop session/log

App Guard(APG)
* High performance streaming application classification engine
* Packet-Based and Low Latency
* Fine granularity. For example, MSN messenger login, chat, file transfer, audio/video are selectable. Facebook or Facebook flash game are selectable.
* Application Guard whitelist
* Scheduled application control-For example, allowing MSN chat after office hours.
* Default APG signature can identify 400 applications

Web URL Filtering
* 35 categories for web URL filtering
* Querying backend database support 174 million categorized web page
* Natural Language Processing technology assisted categorization (Key-word base)
* Advanced Trend Tracer technology to catch the buzzwords
* Support 48 languages

VPN Type and Connection
* IPSce: Site-to-Site, Remote Access, and Remote Access (XAUTH)
* PPTP: Server
* OpenVPN: Server/Client
* Site-to-Site GRE: site-to-site
* L2TP: Server/Client, L2TP, and IPsec

Physical and Power
* Form factor: wall mount
* Dimension (W x D x H): 213 x 125 x 37.4mm
* Weight: 716g (AP include wall mount, not include antenna nor adapter)

* DC Input: +12V/1A

Environmental Specification
* Humidity 95% @ 60℃
* Operating Temperature 0 to +60℃
* Storage Temperature: -20 to +80℃
* Vibration: Random 0.3g

Certifications
* FCC, CE
* RoHS compliant

Package Contents
* SWF 1210 x 1
* CD-ROM (with User's Manual and QIG) x 1
* Power adapter
* Detachable antenna x 2
* Ethernet cable x 1

Warranty
* 1 year service warranty bundled for signature database update
* Compound years warranty is offered by project base

Ordering Information
* **SWF 1210-EU (P/N: 10SF0121000X0)**
* **SWF 1210-US (P/N: 10SF0121002X0)**