



WirelessTap Clamshell Data Sheet

Network

Architecture: Wide Area Network or Lan Infrastructure with Layer 3 access control

WAN Interface: DOCSIS Cable, Ethernet, 10/100, xDSL, Fiber, Wireless and others on request

Network Monitoring: Real time monitoring with dynamic traffic and bandwidth management

Network Management Tools: SNMP, Telnet Console and Web Based Management Tools with MIB I & MIB II, Ethernet MIB, Bridge MIB, and Private MIB

Network Diagnostics: Real time diagnostics of all critical **Wirelesstap™**, airlink, and network backhaul parameters

QoS and GoS: Standards-based support for Quality and Grade-of-Service and optional extended QoS/GoS for real-time voice and video services

Dynamic Configuration & Upgrades: Centralized image configuration and system upgrades

Security

Individual VPNs: Supports dozens of simultaneous VPN sessions

Encryption: Encrypted using MPPE to isolate all subscriber wireless traffic

Provisioning: User self Provision

Authentication: Encrypted User Account Name & Password mutually authenticated via RADIUS or other

Edge Filtering: Dynamic filtering to prevent malicious attacks and network contamination

Firewall: Dynamic Stateless and Stateful firewall filtering

GPS (Optional): GPS Location-Authentication and other Security Features available

Wireless

Radio Band: Unlicensed and license-free ISM/UNII/HiperLan (IEEE 802.11 a/b/g) (Options available for Licensed Band Radios)

Wireless Network Protocols: IEEE 802.11 a/b/g (Custom & Proprietary Modes available)

Data Rates: Radios supports individual airlinks under all native IEEE 802.11 a/b/g modes up to 54 Mbps

Operating Channels: Carrier sense multiple access with collision avoidance (CSMA/CA)

Modulation: 11 for USA and Canada, 14 for Japan, 13 for Europe, 2 for Spain and 4 for France

Radio Transmit Power: IEEE 802.11g: OFDM, 802.11b: DSSS (DBPSK, DQPSK, CCK)

Automatically or Manually Adjustable

802.11b: 0dBm to +28dBm, adjustable in 3dB increments @ all rates

802.11a: 0dBm to +28dBm, adjustable in 1dB increments

802.11g: 0dBm to +28dBm, adjustable in 1dB increments @ 6 to 24 Mbps

Receiver Sensitivity: -94dBm @ 11 Mbps, -85dBm @ 18 Mbps and -78dBm @ 54 Mbps (802.11b/g)

Client Compatibility: Full 802.11a, b and g compatibility (others optional)

Bandwidth per cell: More than 400 Mbps with more than 250 Mbps of payload

Configuration

Radios: Supports up to 8 radios. Radios are completely field-upgradeable

Antennas: Supports up to 16 antennas offering 360° coverage. A wide variety of integrated and remote antenna options available on request to meet specific requirements

Memory Configuration: 256 MB standard with options for 128 MB or 512 MB

Powering Options: Universal 95/260V AC Mains, Coaxial Network, 24 Volts or 48 Volts

Power Consumption: less than 20 Watts

Mechanical Housing: Rugged Surface mount Aluminum Housing for Indoor and outdoor Applications

Connectors: N or TNC and RS232 console port

Local Console Port: Internal 10/100 Ethernet auto-sensing

Dimensions: 380 mm 240 mm x 228 mm (15 x 9.5 x 9 inches)

Weight: 6.8 kgm (15 lbs)

Model Number : WF-CS001

Environmental

Operating Temperature Range: -40°C to +60°C (Humidity 5-95% (Non-condensing))

Storage Temperature: -40°C to +85°C (Humidity 5-95% (Non-condensing))

Compliance and Safety

Certification: FCC Part 15 Class B, ETSI 300.826, CE mark

Safety: UL/CSL 60950

Sales Information

Model: WF-CS001

Warranty: One (1) Year limited liability warranty on parts and labor

Antennas: A variety of integrated and remote antennas available on request

Radomes: Customized Radomes are available on request to match antenna selected

E-mail: wireless@lantek.com.tw

Web : www.lantek.com.tw