



SECURELINX WIRELESS PLATFORM (WPLT)

CUSTOMIZABLE ACCESS POINT/BACK HAUL/CLIENT

SECURELINX DELIVERS CARRIER-CLASS RELIABILITY, AN ADVANCED FEATURE SET, EASE OF INSTALLATION AND LOWER TOTAL COST OF OWNERSHIP

SECURELINX WPLT ACCESS POINT

SECURELINX™ PRODUCT ADVANTAGE

The SECURELINX™ product line is an intelligent fixed wireless Point-to-Point (PtP) and Point-to-MultiPoint (PtMP) network infrastructure product line that is simple to design, deploy and support. With an advanced feature set and unmatched capabilities, customers now have a predictable and cost effective method of protecting their property and assets.

FLEXIBLE DESIGN

The all-weather enclosure design securely houses and protects the radio and electronics from extreme weather conditions, and PoE power surges, while minimizing external EMI and RFI interference. Each radio has an external N-Female connector for easy installation of antennas.

POE/BUILT-IN HARDENED POE SWITCH

Each system is powered by the included PoE Power Supply/Injector or by an optional Solar Power system. Systems can be configured with 1, 2 or 5 Ethernet ports. Included on the 2 or 5 port systems is a built-in Hardened PoE Switch. The Switch allows PoE cameras or other PoE devices to be directly connected and powered by the system without the cost of an additional PoE Switch offering significant installation time and cost savings.

FLEXIBLE CONFIGURATIONS - MULTIPLE RADIO SUPPORT

SECURELINX™ WPLT systems offer the flexibility to include up to 4 radios per system. Radios can be configured for 900 MHz, 2.4, 2.7~2.9, 3.4~3.7, 4.9 or 5.1~5.9GHz unlicensed and licensed spectrum. Each radio has an N-Female connector for easy connection to an external antenna. This design enables the flexibility to match the proper gain and frequency antenna to the environment.

QUALITY OF SERVICE (QoS)

SECURELINX™ supports the 802.11e based traffic prioritization method for video and voice, which are delay sensitive services. Additionally, advanced traffic policies can be implemented by interface, MAC, source and protocol.

RELIABLE CONNECTIONS

The SECURELINX™ platform is a proven and reliable product that securely handles concurrent video, voice and data applications. With flexible channel widths of 5MHz, 10MHz and 20MHz, this greatly reduces the challenges of interference with competing networks.

SECURITY

SECURELINX™ incorporates significant security measures for the privacy of your data. They feature WEP 64/128, WPA1, WPA2 and ACL encryption between nodes. SECURELINX™ nodes also support VLANs enabling the same physical infrastructure to have segmented traffic with secure access control. MAC and IP level authentication is also supported.

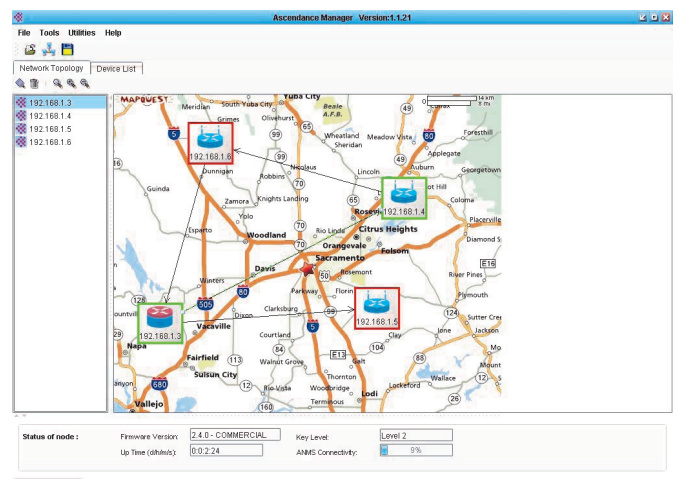
HIGHLIGHTS

- QUICKLY DEPLOYED AND CONFIGURED
- UP TO 40MBPS TCP/IP DATA THROUGHPUT
- SUPPORTS UP TO 4 RADIO LINKS
- UP TO 5 IP DEVICES DIRECTLY CONNECTED
- WORLD-CLASS NETWORK MANAGEMENT SOFTWARE
- BUILT-IN HARDENED POE SWITCH
- INDOOR AND OUTDOOR PRODUCTS
- QOS ENABLED PRIORITIZATION FOR VIDEO & VOICE

ADVANCED NETWORK MANAGEMENT

The Ascendance Network Management Software (ANMS) application is a world-class management tool to perform modifications to the system configuration. Additionally, the administrator can monitor and analyze network health, review operating status and view important real-time statistical information.

Each customer's network can be saved as a unique profile allowing for the administrator to quickly load site specific information and display the network topology on a custom map or background image. This allows the administrator to view a single network or many networks all from the same interface.



SecureLINX WPLT Specifications

RADIO PARAMETERS

Frequency of Operation	Up to 4 radios in the following spectrums can be configured: 900 MHz, 2.4, 2.7~2.9, 3.4~3.7, 4.9 or 5.1~5.9GHz
Channel Spacing	5MHz, 10MHz and 20MHz
Data Rates	6, 9, 12, 18, 24, 36, 48, and 54Mbps
RF Power Output	Radio dependant. See IAP Series 2,5,or 9 data sheets for detailed radio specifications.

ANTENNA PARAMETERS

Antenna Type	External. Up to 4. Available antennas are Omni, Sector, Panel and Parabolic. Multiple frequency and gain options
Gain	Antenna dependant
Polarization	Vertical or Horizontal

DATA AND OPERATIONAL PARAMETERS

Operational modes	Access Point, WDS, Repeater, Client, Station, and Transparent Bridging Support
Mode	900MHz, 802.11b/g, Super G, 802.11a and Turbo A
Configuration & Management	Proprietary Network Management Software (ANMS)
QoS Bandwidth Management:	WMM 802.11e, Committed Information Rate (CIR), Peak Information Rate (PIR), Committed Burst Size (CBS), Excess Burst Size (EBS), Input/Output Interface, Source IP/Subnet, Source Port(s), Source MAC, Destination IP/Subnet, Destination IP/Subnet, Destination Port(s), Destination MAC, Protocol, Application, FTP, ICMP, TCP, Peer to Peer, EDonkey, Kazza, IRC
Wireless Tuning	TX Power, TX Rate, Antenna Selection and ACK Timeout, Alignment
Wireless Extras	VAP's/Multiple SSID's, Super A, Super G, WMM-Wireless QoS, MAC Spoofing, Hide SSID, Best Channel Selection, Country Code Selection, DTS/TPC Full Support, Repeater-WPA1/2
Range (LOS)	Up to 40 miles
Data Throughput	Up to 40MBPS

NETWORKING FEATURES

Bridging	Layer 2, MAC forwarding
Routing	Layer 3 IP address forwarding, Static Routing, Dynamic Routing (RIP)
PPPoE-PPTP	PPPoE Client, PPTP Client
Services	SNMP, NTP, HTTP Server, SSH
DHCP	DHCP Server, Client and Relay
Monitor Utilities	Ping and Trace Route Utilities, and Antenna alignment tool, real-time statistics, association list, site survey
802.1Q	VLAN (802.1Q) Support
Firewall-NAT	Input/Output Interface, Source IP/Subnet, Port(s), Source MAC, Destination IP/Subnet, Protocol, Connection State

SECURITY

Modes	WEP 64/128, WPA1, WPA2 and ACL
Association List	Alias per Station, Idle Time, IP Address, Link Parameters, Command Set, Signal, Noise, Fade Margin, TX Rate, Remove, Disassociate and Deny

PHYSICAL

Network Interface	Weatherized 10/100 Base-T Ethernet (RJ45) ports (1, 2 or 5 ports)
Dimensions	8.6" x 8.6" x 3.17"
Weight	5.2 lbs
Packaging	Outdoor, all-weather enclosure
Mounting	Articulating Mounting bracket for 1'-3" pole or wall

ENVIRONMENT

Temperature Range	1 and 2 Ethernet systems 0-70 °C - 5 Ethernet system -40-85°C
Humidity	0 to 95%, non-condensing at 50°C
Regulatory Certifications	FCC Part 15, CE, UL, CSA, RoHS/WEEE
Standard Compliance	WECA (Wi-Fi & Wi-Fi5 compliance), IEEE802.11a, RoHS

POWER

Power Method	Power over Ethernet (PoE)
Power Supply	1 Ethernet system 120VAC/18VDC - 2 or 5 Ethernet systems 120VAC/50VDC
DC Power Input	1 Ethernet system 9-18VDC - 2 or 5 Ethernet systems 9-50VDC
Power Connector	Weatherized 10/100 Base-T Ethernet (RJ45) port
Power Consumption	10-20W
Built-in Hardened PoE Switch	Included on 2 or 5 Ethernet port systems (Up to 40W of available power)
PoE Cat5 Max Cable Length	100 meters on 24 AWG STP Cat5 Cable



ONE YEAR PARTS & LABOR WARRANTY
SL-DS-WPLT Rev: 52210



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