WiFiProtect Manager
Wireless Device Management Software

As network and security devices become more ubiquitous throughout an infrastructure it becomes imperative that the management of these devices becomes comparatively easier and more accessible. The philosophy of 'set and forget' no longer applies in today's cyber-security world where updates to firewall rules, cycling encryption keys, and deploying patches are common-place. Managing a network can be a labor-intensive experience of provisioning new equipment, updating and backing up configurations, changing credentials, and monitoring health and status. WiFiProtect Manager simplifies this process by providing a single window through which to perform all of these actions, and more, in an intuitive and secure manner. From this single window, WiFiProtect Manager helps reduce installation, operation and maintenance costs by consolidating the numerous tasks which naturally result from simultaneously managing multiple non-integrated networks. Access to WiFiProtect Manager's capabilities is via any compatible web-browser which means deployment across a network is easy with no additional software installation required.

Based upon SNMP and HTTPS protocols, the WiFiProtect Manager communicates securely with 3eTI individual devices, such as CyberFence CIP, WiFiProtect Gateway, VirtualFence and EnergyGuard solutions.

Deployment
WiFiProtect Manager can be deployed either as a Virtual Machine or as an Appliance in a 19" rack form-factor, with the same functionality in both deployments.

Device Monitoring
The WiFiProtect Manager can automatically discover newly installed 3eTI devices and incorporate them into a comprehensive topology map so its view is always up to date. In addition, users have several options on how to display topology views, such as by device type, wireless network, or VLAN. The device view can be arranged in hierarchical, circular, random or orthogonal topology, so users can see the impact of each device and fine-tune its placement in the network for varying effect. An overview window provides a summary of deployment, while a zooming view allows for a detailed view of any part of the network. The links between devices are colored to represent different signal levels and individual device settings are easily accessible from the Web interface.

Key Distribution
The WiFiProtect Manager is capable of generating and distributing both encryption keys and security credentials (e.g. digital certificates) to selected devices, be they wired or wireless. Through the job-scheduling feature key generation & distribution can be scheduled to routinely occur per the user's request. Keys can be generated either internally in software, externally by a high-entropy hardware security module, or imported from an outside PKI.
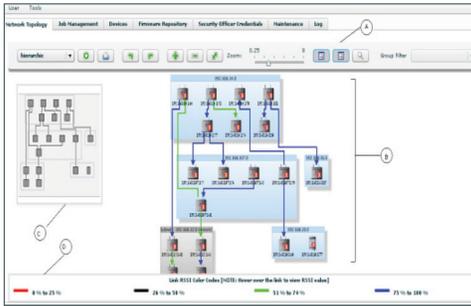
KEY FEATURES

- Simple installation with easy device provisioning and auto-detection
- Configuration and security control wizards
- Multi-level user access control
- Versatile job scheduling management tool
- Easy firmware storage and upgrade maintenance
- Simple browser platform for easy access and management
- Customizable views for device groupings and link status
- Manage devices remotely from a central location
- Continuous security monitoring using syslog alarm logs

Ultra ELECTRONICS | **3eTI**

Specifications

FEATURES
• Secure Web management / HTTPS • SNMP v1/v2c/v3

INTERFACES (APPLIANCE ONLY)
• 2 x RJ-45 LAN Jack • 2 x Rear USB 2.0 Ports • 1 x Serial Port • 1 x VGA Port • 1 x PS/2 Mouse Port • 1 x PS/2 Keyboard Port • 10/100 Mbps Fast Ethernet LAN • PXE Boot Agent Compatible

MECHANICAL ATTRIBUTES
• 14" (D) (half depth) Mini Rack Mountable Case • 1 Rack Unit Height (1U/1.7") • Dimensions:24" (D) x 17.1" (W) x 1.67" (H) • Rail mounting bracket and screws are included

POWER REQUIREMENTS AND ACOUSTIC NOISE EMISSION
• AC Voltage: 100 - 240V, 50-60Hz • 80W to 120W with standard configuration • Noise level (during normal operation): ~39 dBA (ISO 7779 operator position, 0.6 meter)

ENVIRONMENTAL
• Operating Temperature: 10º to 35º C (50º to 95º F) • Storage Temperature: -40º to 65º C (-40º to 149º F) • Operating Relative Humidity: 8% to 85% (non-condensing) • Non-operating Relative Humidity: 5 to 95% (non-condensing)

Device Control

WiFiProtect helps perform individual and group management tasks across a wide range of devices, such as re-booting, resetting, or radio silence. Radio frequency (RF) transmissions from wireless devices must be eliminated during certain scenarios, such as during weapons testing or fueling. The WiFiProtect Manager Appliance can control when power is transmitted from wireless devices, allowing RF transmissions to be turned off when required.

Configuration Wizards

WiFiProtect provides a number of configuration wizards to support the easy creation of device specific configuration files either individually or in batches, for provisioning of large numbers of new devices. WiFiProtect also provides wizards to more easily configure security features such as firewalls and deep-packet-inspection, ensuring security is maintained and free from configuration-errors. Finally through WiFiProtect these configuration files can be distributed to the correct devices with a click of a button.

Firmware Management

Multiple versions of device firmware can be stored in the appliance, simplifying storage and minimizing upgrade maintenance. A firmware repository screen in the Web interface provides an easy view of firmware versions that are loaded into different devices so users have a clear view of the network software history as well as upgrades.

Job Scheduling

The job management screen allows for easy job scheduling and traditional planned network maintenance activities. Certain scheduled tasks such as encryption key management, VLAN security, bridge security, TX on/off and firmware upgrades can be planned in advance to relieve the burden of last-minute IT management tasks.

Multi-level User Credentials

Different levels of user credentials can be set to allow partial access to the tool, giving the Network Administrator the ability to provide varying degrees of access to different levels of users. This streamlines related Administrative tasks, allowing the Network Administrator to make wholesale updates or modifications per user group.

Ultra ELECTRONICS | **3eTI**