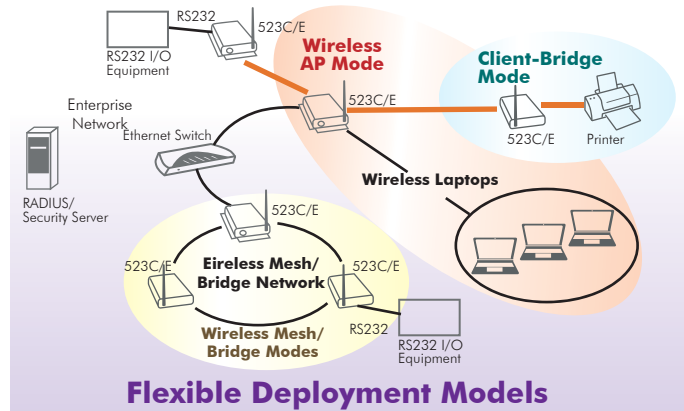




523C(Outdoor) & 523E(Indoor)

Wireless Mesh/Client/Bridge/Access Point

With RS232 Serial Port Support



Key Features

- Serial port TCP server/ client socket support
- Wireless Indoor/Outdoor Mesh, Access Point, Bridge, Client
- Self Configuring, self-healing MESH network
- Simple backhaul deployment with mesh technology, only power required
- 802.11a/b/g, Super G & Turbo A up to 108 Mbps
- Detects & reports rogue APs
- 9-32VDC power-over-Ethernet(PoE) flexible power
- AES-CCMP/WPA2/802.11i Encryption & Authentication
- Wireless client load balancing
- MAC address filtering
- Compatible with most WiFi infrastructure products
- Serial port Raw socket support

Hardware Specification

- CPU : XScale IXP 420 @ 266MHz
- MHz : 8 MB flash / 64 MB SDRAM

External Ports

- 1 10/100 Mbps WAN Ethernet port
- 1 External antenna port

LED Indicators

- Power
- LAN
- WLAN

Environment & Safety

- Operating Temperature:-5° ~ +50° C standard; -30° ~ +70° option with TEC
- Storage Temperature:-40° ~ +80° C
- Operating Humidity:0~95% non-condensing
- EMI/Safety
- FCC Class A
- Lightning protection (option)

LAN Ethernet Setting

- Supports 10/100 Mbps full duplex with auto negotiation
- Fixed IP
- DHCP Client

Device Management

- Web Server/HTTPS
- SNMP Agent
- SNMP Trap

Wireless Features

- Multiple RFs : 802.11a/b/g for AP & bridge with Turbo A and Super G
- Operation mode (user configurable)
 - Access Point
 - Bridge
 - Client (Client-Bridge)
 - Mesh (Optional)
- Self-forming, self-configuring, self-organizing mesh
- Channel number : Fixed or automatic select (optimum)
- Adjustable Tx power
- 802.11h Dynamic Frequency Selection
- 802.11h Transmit Power Control
- Load balancing of wireless clients
- Security:
 - WEP - 64, 128, and 152-bit
 - WPA-PSK
 - WPA (802.1x) - Dynamic Key
 - WPA2/802.11i
 - AES-CCMP
 - MAC address filtering
 - Rogue wireless AP detection with email notification
- Layer 2 Discovering Protocol
- Layer 2 isolation for Hotspot

Receive Sensitivity

- 802.11a: -88dB @6Mbps, -71dB@54Mbps
- 802.11b: -95dB @1Mbps, -90dB@11Mbps
- 802.11g: -90dB @6Mbps, -74dB@54Mbps

Output Power

- 802.11a: 17dBm @6Mbps, 13dBm @54Mbps
- 802.11b: 18dBm
- 802.11g: 18dBm @6Mbps, 15dBm @54Mbps

Tools and Utilities

- Ping utility
- Trace route utility
- Firmware upgrade via web
- Reboot device
- Factory default
- NTP (Network Time Protocol)
- Serial port communication utility

Options

- TEC temperature compensation (523C)
- 802.11b/g only
- Reduced operational mode set
- Lightning protection kit

Mounting Kit Included

- 523C model