

IWF 3320C

Industrial Trusted AP and Controller
Dual RF, Dual Band, 802.11 a/b/g/n



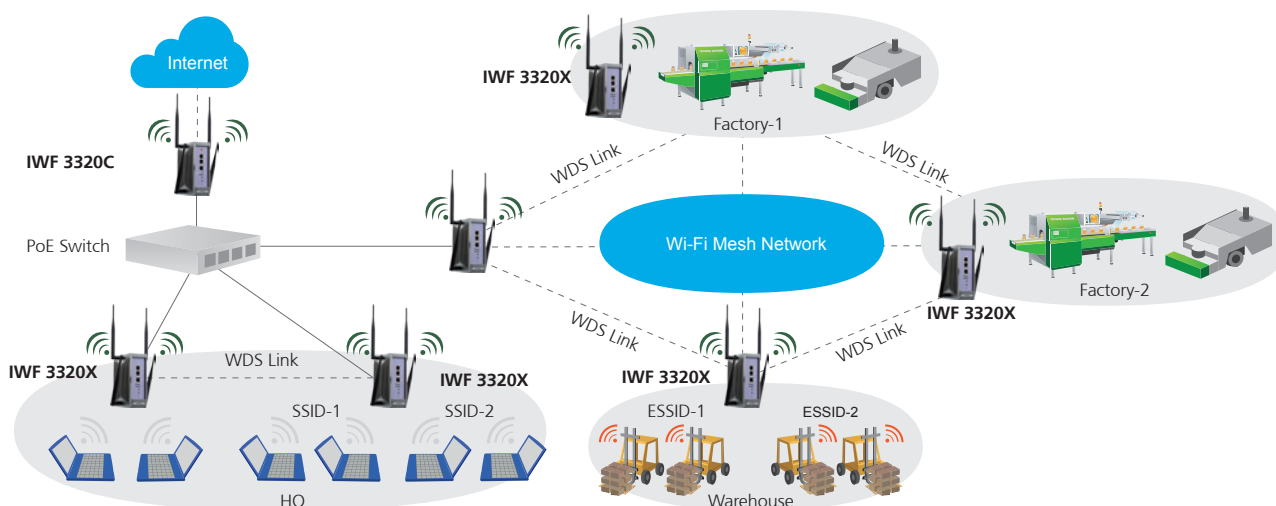
Main Features

- Unique dual roles design with controller and AP functions in one box
- Manage up to 8 APs including IWF 2220, IWF 3320X and IWF 5320
- Rugged Die-casting housing with -30°C to +80°C wide-temperature
- Built in 2 x 2 MIMO Field Replaceable Antenna Compatible with 802.11a/b/g/n
- Completely AAA (Authentication, Authorization, Accounting) supporting
- Virtual service zone management by user group, security profile and etc.
- Supports various broadband deployment options (T1, DSL, Cable) via static IP, DHCP, PPPoE, and PPTP
- Integrated Security Features: SSL, IEEE 802.1X, WPA-RADIUS
- Built-in DoS protection prevents malicious hackers from collapsing the network

Product Overview

IWF 3320C is a powerful WLAN controller and access point combo product which is designed to meet the demand of small scale WLAN deployment. The first role as controller, it provides up to 8 NEXCOM management based access points, forming a secured wireless network that guarantees robust user authentication, policy enforcement, AP manageability, and scalable networking applications. With IWF 3320C, small scale WLAN deployment can embrace the benefit of controller without hesitant of high capital expense with large scale controller, which is typically designed for hundreds of AP. Managing multiple AP is no more a time-consuming task. With IWF 3320C's coordination between APs, user enjoys both layer 2 roaming and also layer 3 across subnet roaming. Together with flexible QoS policing and customization grouping options, IWF 3320C makes mobile device users roaming experience effortless and simple.

Besides WLAN controller function, IWF 3320C also plays the role of access point, with dual RF dual band 802.11a/b/g/n 2 x 2 radios deliver up to 300Mbps data rate. The dual band radio architecture is good for RF separation and RF planning. Especially for mission-critical applications such as streaming video, 5GHz band provides more clean and stable traffic. To meet the expectation of high reliable communication in diversify application, IWF 3320C provides robust redundant mechanism to ensure the trusted operation. The dual power inputs of both PoE 802.3af & wide voltage +9 to 36VDC ensures power connected all the time. To protect the AP from environmental stress, IWF 3320C is applied with industrial rank conformal coating and rugged die-casting housing, all these characteristics make IWF 3320C a perfect AP controller for industrial application.



Specifications

Networking

- Supports Router, NAT mode
- Supports static IP, DHCP, PPPoE, and PPTP Dial-up
- Supports IP Plug and Play (IP PnP)
- LAN Port Mapping
- Built-in DHCP Server and support for DHCP relay
- Supports NAT:
 - (1) IP/Port Destination Redirection
 - (2) DMZ Server Mapping
 - (3) Virtual Server Mapping
- Configurable static routes
- Supports Walled Gardens & Walled Garden Ads
- Supports MAC Address Pass-Through
- Supports HTTP Proxy
- Supports Ethernet connection to external terminal server for ticketing
- SIP pass-through under NAT
- IPv6 supporting

Security

- Supports security standards: SSL, IEEE 802.1X and WPA-RADIUS
- Supports VPN Pass-Through (IPSec and PPTP)
- Built-in DoS attack protection
- Layer 2 (Wireless) & Layer 3 Firewall
- Supports VPN
- Configurable user Black Lists & Privilege Lists

Service Zones

- Max. 1+ 8 Service Zones
- Each service zone has its own and customizable
 - (1) login portal page
 - (2) authentication options
 - (3) LAN interface IP address
 - (4) DHCP address ranges
- Group & Policy enforcement by Service Zone
- WISPr authentication

User Management

- Supports 2,000 local accounts and 2,000 on-demand accounts
- Simultaneous support for multiple authentication methods (Local and On-demand accounts, POP3, LDAP, RADIUS, NT Domain, and FREE)
- Policy-based access control (per-role assignments based on Firewall Policies, Routing, Login Schedule, Bandwidth, Quota, and Session)
- User Session Management:
 - (1) SSL protected login portal page
 - (2) Supports multiple logins with one single account
 - (3) Session limiting and idle timer
 - (4) Session and account expiration control
 - (5) Supports Single Sign-On for Windows Domain
 - (6) Login time frame control

Access Point Management

- Supports Wide Area AP Management (by CAPWAP)
- Manages up to 8 AP including IWF 2220, IWF 3320X and IWF 5320

Guest Accounting

- Provides 4 types of billing plans for On-demand accounts
- Enables session expiration control for On-demand accounts by time (hour) and data volume (MB)
- Support DM & CoA (Change of Authorization/Disconnect Messages) messages from RADIUS servers
- Detailed per-user traffic history for both local and On-demand accounts

Wireless Radio Specifications

- Wi-Fi standard: IEEE 802.11a/b/g/n in 2.4GHz and 5GHz frequency band
- Modulation: OFDM, DSSS, CCK
- Wireless Interface: 2 x 802.11 a/b/g/n
- RF output power: up to 300mW per radio
- Number of SSIDs: 16

System Administration

- Web-based management UI
- Customizable login and logout portal page
- Support for SNMP v1, v2c
- SSH remote management
- Remote firmware upgrade
- NTP time synchronization
- Menu driven console management interface
- Utilities to backup and restore the system configuration

Monitoring and Reporting

- Online status monitoring of users
- IP-based monitoring of devices
- Supports external SYSLOG server for diagnosis and troubleshooting
- Supports user traffic history logging
- Supports user traffic session (TCP/UDP) logging
- Http/Session/User/Configuration Change/Traffic/... Logs

Hardware Specifications

- Antenna: 4 x omni-directional 2/3dBi (2.4/5GHz) enclosed
- Uplink Port: 1 x GbE LAN with IEEE 802.3af PoE
- LAN Port: 2 x GbE LAN
- Push buttons: 1 x Reset
- Console Port: 1 x DB9M
- LED Indicators: 1 x Power, 1 x Status, 2 x WLAN
- Power Source: +9 ~ +36 VDC & PoE
- Form factor: DIN rail mount
- Dimensions: 58.8 W x 139.6 D x 167 H (mm) w/o antennas
- Weight: 1.73Kg

Environment

- Operation Temperature: -40 to +80°C
- Storage Temperature: -40 to +85°C
- Operation Humidity: 0% to 95% (Non-condensing)
- Vibration: Random 0.3g

Certifications

- CE, FCC
- RoHS compliant

Package Contents

- NEXCOM IWF 3320C x 1 (with DIN rail mount)
- CD-ROM (User's Manual and QIG) x 1
- Detachable Dual-Band Antenna x 4 2/3dBi (2.4/5GHz)
- Ethernet Cable x 1
- Wall mount kit x 1

Ordering Information

- **IWF 3320C-EU (P/N: 10T00332003X0)**
- **IWF 3320C-US (P/N: 10T00332006X0)**