Pakedge Wireless Networks provide enterprise grade wireless networking to users reliant on high speed, high throughput, and long range. Pakedge wireless access points provide up to 3x the range of traditional access points and come in multiple form factors, ensuring easy installation in any scenario. The C36 Wireless Controller synchronizes and manages multiple access points in real-time - ensuring a fully unified wireless system.

Enterprise Grade Wireless

An enterprise grade wireless solution is composed of wireless access points and a controller - the command and control hub for the network’s APs. Pakedge wireless access points offer a high-power solution for any network, broadcasting 802.11b/g/n signals at 800mW. These wireless access points can be installed almost anywhere, thanks to their ability to be powered by PoE and multiple, use-case specific form factors. Multiple SSIDs prioritize data traffic, providing a smoother wireless experience overall. A separate guest network gives internet access to visitors without compromising overall security.
C36 Wireless Controller

Wireless Harmony

The C36 Wireless Controller serves as the command, coordination, and control center of a wireless network with multiple access points. In a network without a wireless controller, the wireless access points are unaware of each other and act independently - resulting in sub-optimal network performance, coverage gaps, and unreliable connectivity. AP (Access Points) settings may not be applied consistently throughout the network - leading to inconsistent policy application and enforcement, and potential problems with rogue access points and devices.

The C36 eliminates these problems by working in conjunction with up to 30 W6x and W7x Wireless Access Points. It provides seamless, scalable, reliable wireless network access by managing each access point and optimizing wireless coverage with a suite of performance enhancing technologies.

Key Features

- **Optimized Wireless**
  The C36 provides optimized wireless performance - enhancing speed and coverage while mitigating interference.

- **Simple Management**
  Configure up to 30 APs from any device on the network, all on one page.

- **Enhanced Security**
  The ability to push security settings across the network integrated individual device blocking and broadcast scheduling to provide a unified, secure, wireless network.

- **Fast Deployment**
  Automatic detection and configuration of APs, site surveys, a GUI wizard, heat maps, and visualization tools make expanding a network simple.

- **Centralized Reporting**
  Quickly and easily obtain information about any access point or client device on the network from anywhere in the world using BakPak Cloud mobile and web apps.
C36 Wireless Controller

Advanced Features

Performance Enhancements

Speed, coverage, and interference are optimized with SectorMaxx, TruStream, and SmartWav wireless technologies.

Site Survey

Perform automatic site surveys to view channels, signal strength, and identify rogue APs.

Heat Mapping

Drag and drop access points to real-life floorplans to see how to get the best wireless coverage with your unique setup.

Device Blocking

The C36 can blacklist or whitelist specific MAC addresses - allowing users to block unwanted devices specifically - or only allow known devices for added security.

Wireless Scheduling

Schedule when APs broadcast - limiting access to specified times and days of the week.

Guest Network

Easily configure fully secure guest networks across all APs.
The W6x family of ultra-high powered access points is designed to provide a versatile, high power 802.11b/g/n wireless solution capable of providing best-in-class wireless coverage in any scenario. The W6 supports 4 SSIDs and 2 guest networks.

W6 Wall Mount/Desktop
- Fast installation flanges for quick and accurate wall-mounting
- External high dB omnidirectional antennas for maximum range and stability
- Rugged aluminum housing designed for maximum protection from interference and efficient cooling in attics, basements, and wiring closets.

W6C In-Ceiling
- Patented, innovative, swing-out in-ceiling housing design
- Backplate heat-sink designed for in-ceiling operation, even in attics where temperatures fluctuate.
- Embedded flat PCBA antennas for clean, aesthetic performance
- Software-controlled LED off feature for visually unobtrusive operation

W6O Outdoor
- Sealed, heat finned, IP67 rated diecast aluminum housing built to withstand even the harshest outdoor environments
- High gain omnidirectional antennas for maximum range and stability
- Software controlled LED-Off feature for visually unobtrusive operation

W6R Rack Mount
- 1U rack-mountable housing designed for high wireless-N throughput
- Symmetrical mount brackets for rack mounting, wall mounting, or under-cabinet mounting. Underside key holes allow wall mounting
- External high dB omnidirectional antennas for maximum range and stability
- Rugged aluminum housing for maximum protection from interference
W7x Wireless Access Points

Dual-Band Wireless

The high-powered dual-band W7x access point runs on both the 2.4 and 5GHz bands, reducing interference compared to access points that operate on the 2.4GHz band alone. The 2x2 setup of the W7 enables 300Mbps throughput - up to 3x the throughput of traditional wireless-N access points - while still supporting legacy devices. Supporting up to 16 SSIDs, it's ideal for high-capacity installations. All Pakedge APs can be powered by PoE - enabling easy setup without the concern for rewiring or available wall ports.

W7 Wall Mount/Desktop

- 4 high dB omnidirectional antennas
- Fast installation flanges for quick and accurate wall mounting
- Rugged aluminum housing designed for maximum protection from interference & efficient cooling regardless of the installation location

W7O Outdoor

- Sealed, heat finned IP67 rated diecast aluminum housing to withstand even the harshest outdoor environments
- Power by either PoE or A/C outlet for convenient installation
- High gain omnidirectional external antennas for maximum range and stability

W7R Rackmount

- Symmetrical rack brackets for rack, wall, or under-cabinet mounting
- External high dB omnidirectional antennas for maximum wireless range and stability
- Rugged aluminum housing designed for maximum protection from interference and efficient cooling in rack installations

pakedge device & software inc.
## Access Point Specifications

### Interface
- **Total Network Interfaces**: 2
- **Auto MDX auto-sensing**: 1
- **Console Port (Copper, RJ-45)**: 1
- **USB Interfaces**: 2 (USB 2.0)
- **HDMI Interfaces**: 1

### Dimensions
- **Height x Width x Depth**: 1.675in x 17.026in x 9.202in (4.254cm x 43.246cm x 9.202cm)
- **Weight**: 7.35lbs (3.33kg) - Controller
- **1U Rack Mountable**: Yes

### System Performance
- **Managed APs**: Up to 30
- **WLANs**: Depends on AP

### Multimedia & Quality of Service
- **802.11e/WMM**: Supported
- **Client Load Balancing**: Supported (v2)
- **Client Capacity Limit**: Supported (v2)
- **Suppressed SSIDs**: Supported

### Environment
- **Power Input**: 110-240v AC
- **Power Consumption**: 55w
- **Operating Temp**: 0° - 40°C (32° - 104° F)
- **Operating Humidity**: 95% non-condensing
- **Storage Temp**: -20° - 80°C (-4° - 176° F)
- **Storage Humidity**: 95% non-condensing

### Management
- **Configuration**: Web user interface, CLI, SNMP v1,v2, v3
- **AAA**: RADIUS (v2)
- **AP Provisioning**: Auto-upgrade, Auto channel & power optimization, VLAN tagging, Spanning Tree, Heat Map (v2)
- **Centralized Management**: Supported
- **Centralized Reporting**: Supported

### Security
- **Standards**: WEP, WPA, WPA2, IPv4, IPv6, PSK (v2), AES
- **Intrusion Detection**: Rogue AP Detection
- **MAC Filtering**: Supported
- **Guest Network**: Supported

### Package Contents
- Wireless Access Point, Ethernet Cable, Rack/Wall Mounting Hardware, Power Cable and Quick Start Guide

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## C36 Specifications

### Interface
- **Total Network Interfaces**: 2
- **Auto MDX auto-sensing**: 1
- **Console Port (Copper, RJ-45)**: 1
- **USB Interfaces**: 2 (USB 2.0)
- **HDMI Interfaces**: 1

### Dimensions
- **Height x Width x Depth**: 6.4 x 4.2 x 1.4" (163mm x 107mm x 36mm)
- **Weight**: 0.56 lbs (250g)
- **1U Rack Mountable**: Yes

### System Performance
- **Managed APs**: Up to 30
- **WLANs**: Depends on AP

### Multimedia & Quality of Service
- **802.11e/WMM**: Supported
- **Client Load Balancing**: Supported (v2)
- **Client Capacity Limit**: Supported (v2)
- **Suppressed SSIDs**: Supported

### Environment
- **Power Input**: 110-240v AC
- **Power Consumption**: 55w
- **Operating Temp**: 0° - 50°C (32° - 122° F)
- **Operating Humidity**: 95% non-condensing
- **Storage Temp**: -10° - 50°C (32° - 122° F)
- **Storage Humidity**: 95% non-condensing

### Management
- **Configuration**: Web user interface, CLI, SNMP v1,v2, v3
- **AAA**: RADIUS (v2)
- **AP Provisioning**: Auto-upgrade, Auto channel & power optimization, VLAN tagging, Spanning Tree, Heat Map (v2)
- **Centralized Management**: Supported
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### Package Contents
- C36 Wireless Controller, Console Cable, Rack Mounting Hardware, Power Cable and Quick Start Guide

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