

# Unified Access Device

A new class of wireless mobility devices

## ICX10 Series UAD

11ac Dual Band Multi-mode wireless

ICX10UAD

ICX10UAD CLOUD

Multi-protocol ICX10 series deliver gigabit 802.11ac performance combines software-driven multi-mode security, guest access and routing with content awareness. This Unified Access Device (UAD) ensures ease of deployment with as standalone, developer integration, or icXmanager intelligent cloud control combined with patent-pending content policy for the most demanding mobility ecosystem.

Unified Access Devices are designed to deliver a flexible platform for IP networks ranging from small hotspots to highly complex growth networks. UADs ensure simple connectivity and provisioning, identification of content, content control to ensure delivery for an enhanced user experience even while the network becomes more saturated.

Policy-based and software-driven features allow for specific Quality-of-Service streams that ensure voice, video, and data services based on client or provider requirements. Combined with basic Firewall setting, these devices enable users to start deploying true all-wireless network environments at superior value.

Advanced per device software support ensure user performance regardless if you deploy 1 or 1,000 devices. All ICX10UADs deliver Captive Portal support, 4k VLANs, Dual IP Address, IEEE 802.1p VLAN priority, WMM, IEEE 802.11e EDCF, and Service-Aware priority assigned by VSC, support for radius authentication and Layer 2 Isolation.

The **ICX10UAD CLOUD** is ideal for low or high density environments. The icXmanager cloud and UAD operating system is simple to use for the novice IT person while loaded with beyond enterprise features to ensure content control and delivery.

The **ICX10UAD** can be used as a standalone device, integrated into management systems or provide capable integrators with open source access to deploy their own Wireless as a Service platforms including Location Service and Monetization among others services.



### Choose your mode:

Designed for use by small and medium IT professional as well as the most demanding service provider, the ICX10UAD device intelligence goes beyond standard wireless devices. A more intelligent edge gives the user better control to deploy applications, enhance security and provide better user experience.

Access Point  
 NAT/Routing  
 Firewall  
 WDS  
 Security Beacon  
 CPE

 **icXmanager**

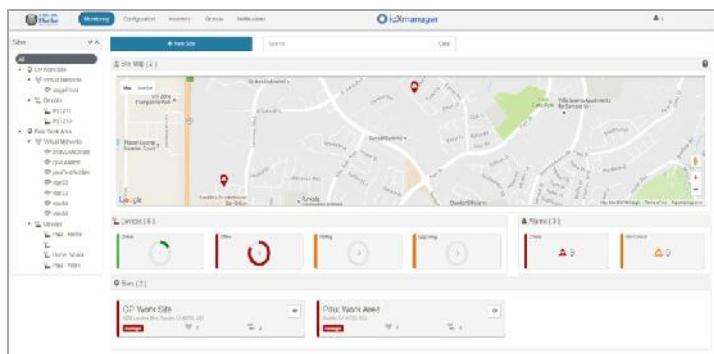
icXmanager cloud  
 management for easy  
 deployment and control  
(Some features may differ)

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## ICX10UAD CLOUD

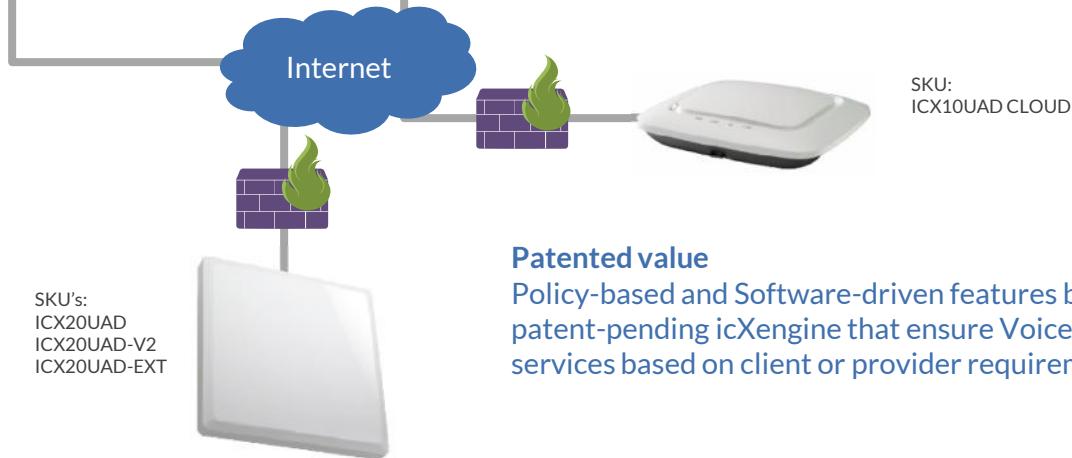
Intelligent enterprise wireless edge to ensure simple content control and delivery



The icXmanager cloud system is designed for intelligent yet simple and cost-effective deployment of the ICX smart wireless products. Deploy 1, 1,000 or 10,000 units of this robust ecosystem to ensure visibility, management and control.

SKU's:  
 vXman-UAD1  
 vXman-UAD2  
 vXman-UAD3

ICCN's ICX10UAD indoor wireless device ensure 11ac connectivity, identification of content and content control to ensure content delivery for an enhanced user experience.



### Patented value

Policy-based and Software-driven features begin with ICCN's patent-pending icXEngine that ensure Voice, Video, and Data services based on client or provider requirements.

ICCN's ICX20 Series outdoor devices give service provider flexibility, SNMP or Cloud management with routing, security and firewall capabilities that compliment central management control.

### Smart value

These Unified Access Devices leverage software to drive flexibility while reducing mobile edge cost in a time of growing Internet of Things. Handling more devices with greater network control will drive client adoption.

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## ICX10UAD

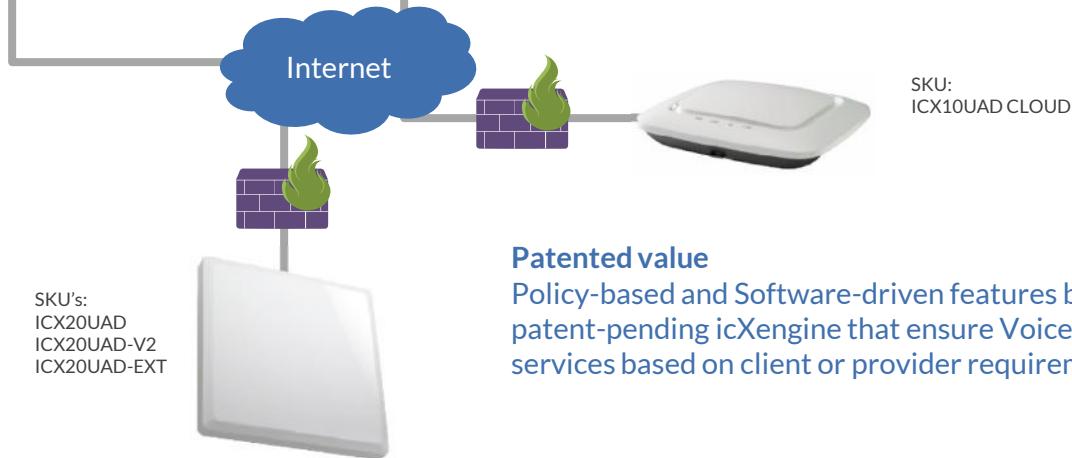
First open platform designed to help providers integrate networks into their management systems



The ICX10UAD is designed for integration with client management systems and service provider platforms. The Unified Access Device Operating System supports an extended feature set to allow clients the ability to control their own ecosystems.

**System access** to merge data with your platforms to provide a variety of your own reports, policies, and reporting

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## FEATURES

### RADIO

Dual Band Radio  
2X2 MIMO  
IEEE 802.11n  
IEEE 802.11ac

Meets international Wi-Fi Standards and supports the most modern Wi-Fi specifications.

2.4GHz IEEE 802.11 b/g/n  
5GHz IEEE 802.11 a/n/ac

Supported 2.4GHz Wi-Fi channels

Channel 1-11 (NA)  
Channel 12-13 (ROW)  
Channel 14 (Japan)

Supported 5GHz Wi-Fi channels

Channels:  
36,40,44,48,52,56,60,64,100,104,108,112,  
116,120,124,149,153,157,161  
Wi-Fi scanning to allow for best channel strength/settings

MAC Filtering

Individual Radio Client Management  
Wireless Client Connection  
Transmission Management  
Ability to limit/exclude certain channels  
Radio Transmit Power Control

Multiple SSIDs

16 SSIDs per band / 32 SSIDs total  
256 simultaneous users

### RADIO MODES

AP Mode  
AP WDS Mode

### AUTHENTICATION TYPES AND SECURITY

Multiple authentication methods  
WPA(PSK), WPA2(PSK), WEP  
WPA Enterprise, WPA2 Enterprise

Multiple encryption algorithms

CCMP (AES)

TKIP

CCMP and TKIP both

Hidden SSID support

Wireless client isolation

Remote Radius authentication and accounting support

Local authentication while utilizing other

### ICX10 Series:

ICX10UAD - 11ac 2x2:2 Performance for standalone, integration, or open source  
ICX10UAD CLOUD - 11ac 2x2:2 Performance used with icXmanager Cloud

type of authentication (MAC passing)

### WAN CONNECTIVITY MODES

DHCP  
Static  
PPTP  
L2TP  
PPPoE

### LAN CONNECTIVITY MODES

DHCP Server  
Configurable DHCP Lease Time  
Configurable DHCP IP Pool  
Static

### NETWORKING

VLAN Support  
Out-of-band management IP  
Static Routing  
End user Router Mode  
SNMP support for usage statistics and equipment health  
WAN ping blocking

QoS / Bandwidth Management  
Client level advanced bandwidth management  
Auto enabled QoS  
Wireless QoS (WMM)  
Packet queuing and prioritization

### CAPTIVE PORTAL

SSID Binding  
Automatic redirection to Splash page  
Customizable landing page  
Custom DNS  
Built-in web-server  
NAS ID support  
Whitelisted Websites  
WISPr attributes

Various attributes support  
Standard Radius Access accept  
Bandwidth up and down  
Data usage  
Session time out  
Idle Timeout  
Interim accounting updates  
Disconnect message  
Multiple RADIUS profiles support  
Optional secondary RADIUS server and prioritization options

### CLI

User friendly CLI support

### USER INTERFACE

Easy access Web GUI  
Multiple browser compatibility  
Internet Explorer 11  
Google Chrome  
Mozilla Firefox  
Safari  
Multiple Admin login support  
Admin access log

### GRAPHS

Realtime Graphs  
Load Graph  
Traffic Graph  
Wireless Graph  
Active Connection Graph

### ROUTES

ARP  
Active IPv4-Routes

### ADMINISTRATION

Setting of Router password  
SSH  
Telnet

### FIREWALL

Firewall settings  
General settings  
Zones settings  
Port Forwarding  
Firewall Rules  
Traffic Rules  
Source NAT

### BACKUP/UPGRADE FIRMWARE

Firmware Options  
Backup/Restore firmware  
Reset to defaults  
Flash new firmware keeping previous configurations  
Flash new firmware with factory settings  
Configurable Option  
Backup file list

### DIAGNOSTICS

Ping  
Trace route  
NsLookup

### CERTIFICATIONS

FCC  
IC

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