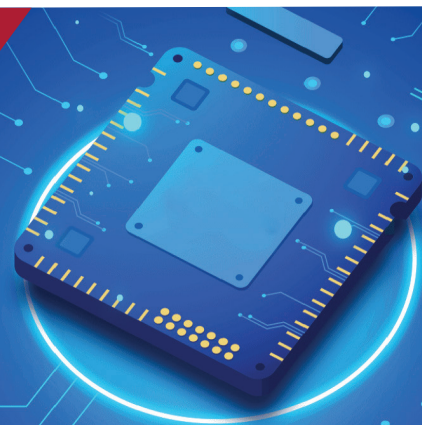


## Enterprise Gateway & WLAN Controller NX-WC1000C

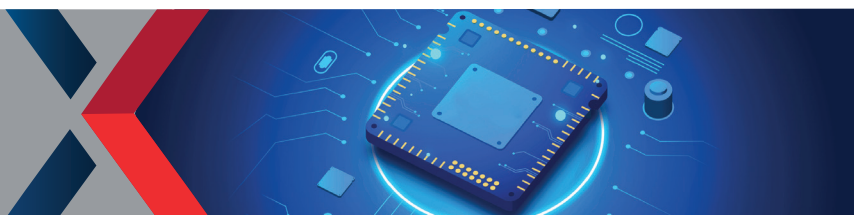


### FEATURES

- NX-WC1000C is a large and medium-sized enterprise gateway based on the CAPWAP protocol.
- The product is equipped with 6\*2.5Gbps network ports, WAN/LAN interchangeability, and can be configured with multiple WANs. It has multiple WAN features such as WAN port load balancing, multi operator access, line backup, network stacking, and policy routing.
- Support functions such as intelligent flow control, internet behavior management, network firewall, VPN settings, and remote access control management.
- Allow up to 1024 end users to access, provide high-speed network, maximum defense against network storms, and ensure the normal operation of the network.
- It can be used as the main router in the network or as a bypass AC, managing and configuring 1024 thin APs, and can be remotely managed and maintained in the later stage. Even in different cities and networks, administrators can monitor, manage, and configure the main page of NX-WC1000C at any time. The product has the characteristics of high performance, easy installation, and maintenance, greatly saving manpower and material costs in network layout.
- NX-WC1000C can be used as an authentication gateway to access cloud platforms, achieving authentication methods such as advertising authentication and user authentication.
- Widely used products: such as small and medium-sized enterprises, urban villages, hotels, internet cafes, shopping malls, and other places.



## Enterprise Gateway & WLAN Controller NX-WC1000C

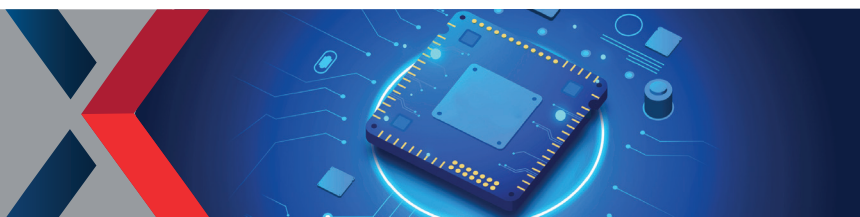


### HARDWARE SPECIFICATIONS

SPECIFICATIONS	NX-WC1000C
Product type	1U
Processor	Intel J6413 4 core, 10nm, 1.8GHz, 1.5M Cache
Chipset	SOC
BIOS	UEFI BIOS
<b>System Memory</b>	
Type	3200MHz DDR4 SO-DIMM
Capacity	8GB
<b>Storage</b>	
Interface	1*6Gb/s SATA
CF	1*CF TypeII slot, default 1G SLC CF card
HDD	Support 1*2.5" Hard drive bracket with hard drive shockproof function
mSATA	1*mSATA SSD slot (or CF alternative)
<b>Network</b>	
Interface	6*GbE RJ45
Ethernet chip	Intel 225V
LED	RJ-45 LED Link/Act LED: Green light on when connecting, flashing green light during network communication Speed LED: Orange light at 2.5G, green light at 1000M, and no light at 100M
SFP	2*1G SFP ports
SFP Chip	Marvell 88E1512
SFP LED	LED: Green light on when connecting, flashing green light during network communication
<b>External interface</b>	
USB	2*USB3.0
Console	1*Console port, RJ45
Power switch	ATX switch
LED	Layer 1: Hard disk indicator light: Yellow light, flashing when data is read or written Layer 2: Power indicator light: green, power on LED is on Layer 3: green, SFP1 first optical port indicator light Layer 4: green, SFP2 second optical port indicator light



## Enterprise Gateway & WLAN Controller NX-WC1000C

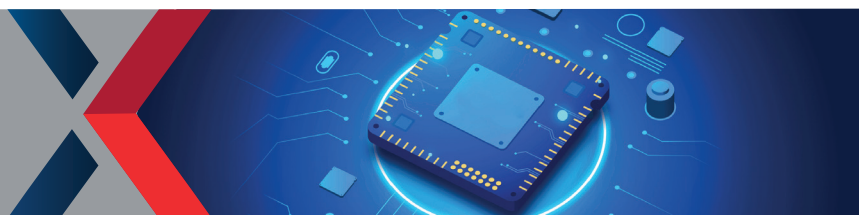


### HARDWARE SPECIFICATIONS

SPECIFICATIONS	NX-WC1000C
<b>Internal interface</b>	
Display	1*DB-15 VGA, support hot plug
USB	2*USB2.0 Pin interface
Console	1*RS-232 Pin, support LCM display module expansion
Watchdog	Supports 1-255 second programmable software watchdog and system reset
Digital input and output	8-way digital input/output (4-way input/4-way output)
<b>Chassis</b>	
Color	Black, sanded baking paint
Front panel	Silver PVC, frosted
Dimensions (L*W*H)	294mm*430mm*44.5mm
<b>Power Supply</b>	
Type	Built in open power supply
Power	65W
Power input	AC100V-264V
Net weight	5.5KG
Gross weight	6.5KG
Working Temperature	0°C~50°C
Storage Temperature	-40°C~70°C
Working humidity	5% ~ 85% RH Non condensing @ 40°C
Storage humidity	5~95% RH, Non condensing



## Enterprise Gateway & WLAN Controller NX-WC1000C



### FIRMWARE SPECIFICATIONS

SPECIFICATIONS	NX-WC1000C
AP management	Users: 1024 max
	APs: 1024 max
	Centralized and remote AP management
	User status view
Smart flow control	One-click intelligent flow contro
	Powerful multi-line diversion
	Auto apply priority
Load balance	Multi WAN, multi ISPs access
	Smart load balance
	Line backup
	Network speed stack
	Policy routing: based on source IP address, destination IP address, source MAC address, network interface, domain name, destination port, Internet interface, identity binding and other policies
	Protocol banding
	Online detection
Routing	Static routing
Behavior management	Fully block P2P software
	P2P flow control and bandwidth allocation
	File transfer and URL filtering
	Comprehensive control of network behavior
Bandwidth Control	IP based
	Guarantee/limit bandwidth
	Time based
	IP-based session restriction
Safety	MAC filter
	URL filter
	Web filter
	IP filter
	Port forwarding
	DMZ



## Enterprise Gateway & WLAN Controller NX-WC1000C

### FIRMWARE SPECIFICATIONS

SPECIFICATIONS	NX-WC1000C
Defense Center	TCP/UDP/ICMP flood attack
	Block TCP scan
	Block PING WAN port
ARP detection	Send GARP package
	WAN/LAN port ARP scan
	IP-MAC band
Authentication	Member, One-key, SMS, 3rd Party radius
Management	Web/CLI/Telnet
	Remote management
	DDNS, VPN

### TECHNICAL DIAGRAM



### PACKING LIST

Controller	1
Power cord	1
Ethernet cable	1
Accessory box	1*(rack kits, pads, screws)
QIG	1

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