WD-4010R

About WD-4010R

WD-4010R is a dual core router that integrates multiple functions with metal housing. It supports dual band Wi-Fi which comply with IEEE 802.11ac/b/g/n MIMO standard, The Wi-Fi data rate is up to 866 Mbps with built-in mini PCI-E interface

4 x LAN & 1x 1x WAN ports (10/100/1000 Mbps) Port

It provides more processing performance, richer interfaces and higher network connection speed than ordinary industrial routers.

This product is suitable for different application types and scenarios, such as intelligent parking lot, intelligent transportation, smart electricity grids, supply chain automation, Intelligent data collection, intelligent building, vending machine, video surveillance etc.

Routing Throughput (Stateless Traffic): 700Mbps

Switching Throughput: 1Gbps

Nat Throughput: 400Mbps

VPN/ Encrypted Throughput: 300Mbps

HARDWARE SPECIFICATIONS

CPU	MIPS Dual Core 880 MHz
FLASH	32 / 64 MB
DDR RAM	256 / 512 MB
2.4G WiFi	IEEE 802.11b/g/n, 300 Mbps
5.8G WiFi	IEEE 802.11ac, 866 Mbps
Ethernet	5 x RJ45 ports, 10/100/1000 Mbps
USB	USB 2.0
LEDs	SYS, 2.4G, 5.8G, WAN, LAN1, LAN2, LAN3, LAN4
Antennas	2 x 2.4G WiFi, 2 x 5.8G WiFi
Reset	Factory reset button
Casing material	High Quality Aluminum
Dimensions (L x W x H)	200 x 125 x 30mm
Mounting options	Industrial screw mounting
Power Input	12V 2A
Max Power Consumption	< 24W
SIM Slot	Single SIM

MONITORING AND MANAGEMENT

Web GUI: HTTP/HTTPS, status, configuration, FW update, CLI, troubleshoot, event log, system log, Kernel log
SSH: SSH (v1, v2) & SNMP: SNMPv1/2/3
Router: RIP, OSPF, BGP, EIGRP, IS-IS

FIRMWARE FEATURES

OVERVIEW

System Details

Router Memory Utilization Details

Connected WAN Link Details

DHCP leases (IPv4 / IPv6)

Wireless Interface Details & Connected Hosts

Load Balancing Interfaces With Status

ADMINSTRATATION

Router Password

SSH Access (Interface Wise)

SSH Keys (Pre-shared key, digital certificates)

SYSTEMS

Local Time

Host Name

Discriptions

Time Zone

Syslog Server Configuration

NTP Server / Client Configuration

SNMP V 1/2/3

LOAD BALANCING

Load Balanced Interfaces Status

Load Balancing Details

Load Balancing Diagnostics

Policy / Rule Based Load Balancing

Parameter / Quality Based Failover

WAN + WAN load Balancing

ROUTES

ARP Details

Active IPv4 / IPv6 Routes

IPv6 Neighbours

REALTIME GRAPHS

CPU Load

Interface Wise Traffic

Wireless Traffic (Radio Wise)

Connections - TCP / UDP Sockets

SYSTEMS LOGS

System Log Of Last 24 Hours

SERVICES

- User Management
- URL Filtering
- Web Filtering
- Domain Filtering
- Content Filtering
- Wi-Fi Captive Portal
- High Availability (VRRP)
- CLI Interface
- Custom Reboot (IP Tracking Based)
- Web Server Configuration

WIRELESS

- Dual Band (2.4 GHz & 5.8 GHz)
- Custom Wi-Fi Channels
- Wi-Fi Security (WPA2-Enterprise-PEAP, WPA2-PSK, WPA-PSK, WEP)
- MAC Filtering
- Advanced Setting

FIREWALL

- Stateful Zone Based Firewall
- Port Forwarding
- Traffic Rules (Filter Table)
- NAT / PAT
- Mangle / Raw Rules
- Input / Output / Pre-Routing / Post-Routing / Forward Chain Rules
- DDoS Protection (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), port scan prevention (SYN-FIN, SYN-RST, X-mas, NULL flags, FIN scan attacks)

INTERFACES

- Static
- DHCP Client (IPv4 / IPv6)
- VX-LAN (IPv4 / IPv6)
- PPPoE
- PPP
- Bridge
- VTI Tunnel
- Loopback
- Custom Interface (Alias Interface)

DYNAMIC ROUTING

- BGP
- OSPF
- ISIS
- RIP
- EIGRP

STATIC ROUTING

- Static IPv4 / IPv6 Routing

SWITCH

- V-LANs (Port & Tagging Based)

QOS

- Traffic Classification / Prioritization (Interface / Port Based)

VPN

IPSec (IKEv1 / IKEv2)

L2tp (Server / Client)

PPTP (Server / Client)

Open VPN (Server / Client)

Wireguard

Open Connect VPN

Any Connect VPN

GRE Tunnel (IPv4 / IPv6)

GRETAP (IPv4 / IPv6)

IPSec Tracking For Failover

DHCP & DNS

DHCP Server Configuration

DNS Server Configuration

Static Lease Configuration

TFTP Server Configuration

Client Hostname Configuration

DHCP Relay Configuration

DIAGNOSTICS

Ping

Traceroute

Nslookup

DATA ANALYTICS

Traffic Distribution

Application Protocol Wise Usage

SMART QUEUE MANAGEMENT

Bandwidth Distribution
(Interface / V-LAN Based)

BACKUP/ FLASH FIRMWARE

Firmware Upgrade

Configuration Backup

Configuration Restore

REBOOT

Router Reboot

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