

DH-WM4720-OW

Industrial 4G Router



- 4G high-speed cellular network.
- Wi-Fi 6 high-speed transmission.
- L2TP/IPsec VPN.
- Easily switches between LAN and WAN.
- Supports IPv6 network access and DHCP allocation.
- APN configuration.

System Overview

Dahua Industrial 4G Router is a high-performance wireless transmission device that converts 4G signals into wired networks and Wi-Fi. It not only provides access to terminals, but is also specially designed to meet industrial-grade standards. The router comes with 15kV electrostatic protection, 4kV lightning protection, and creates a stable and reliable network environment to perform industrial operations in.

Functions

4G
Supports a variety of 4G standards and fits all mobile networks.

1800 Mbps Wireless Speed
Supports 2.4G and 5G dual-band Wi-Fi, and complies with the IEEE 802.11ax standard. The wireless speed of the device can also reach up to 1800 Mbps, allowing smooth internet access.

Multi-WAN Load Balancing
Supports multiple WAN link load balancing modes based on carrier destination IP address, WAN link bandwidth, and policy-based routing.

VPN Encryption
L2TP VPN and multiple types of encryption algorithms are supported, making it more convenient for enterprises to build virtual private networks through the internet.

Wide Operating Temperature (-40 °C to +75 °C)
Supports working at ambient temperatures of -40 °C to +75 °C, and has built-in professional mine-proof circuits, effectively reducing the impact of thunderstorms on network systems and improving system robustness, adapted to harsh environments.

Wide Voltage (9–36 VDC)
Supports power input from 9 VDC to 36 VDC, which effectively enhances power compatibility and allows for multiple types of power supply.



Scene

Equipped with a 1-meter external antenna, it is suitable for use in industrial environments such as chassis and machine rooms.

Technical Specification

Function

Management and Log	Syslog; SSH; NTP
Webpage Configuration Management	Web configuration
Firmware Update	Web update; ConfigTool
Network Protocol	UDP; HTTPS; IPv6; IPv4; TCP/IP; HTTP; NTP; SSL; DHCP
Wireless Certification	FCC; CE
Security Mechanism	IP/MAC address filtering; WAP/WPA2-PSK/WPA3-PSK;
Routing	Static routing
DHCP Server	Enable and disable DHCP Server Configure address pool of DHCP Server Configure lease period Assign fixed IP addresses to clients
NAT	Port-based NAT configuration
VPN	L2TP; L2TP/IPsec VPN
APN	APN private network configuration

Hardware

Wireless Standard	3GPP Release 9@WAN IEEE 802.11b/g/a/n/ac/ax@WLAN
Power Supply	9–36 VDC
Included Power Adapter	Yes
Included Antenna	Yes

Ethernet Ports	3
Ethernet Port Speed	10/100/1000 Mbps;
Reset Button	Yes;
Power Consumption	Full load: 15 W Idling: 5 W
WAN Port	1 (0–3);
WAN Port Connection Mode	Static IP address; DHCP; PPPoE; 4G/3G
External Port	3 × RJ–45 10/100/1000 Mbps (LAN/WAN switching) 1 × SIM card slot (nano) 1 × DC-JACK power supply port 1 × RESET button
Indicator Light	1 × power indicator 3 × cellular signal indicators 1 × SIM card indicator 1 × Wi-Fi indicator 3 × Ethernet port indicators
Antenna	Wi-Fi: 2 × standard SMA antenna ports (characteristic impedance 50 Ω) Cellular: 2 × standard SMA antenna ports (characteristic impedance 50 Ω)

Performance

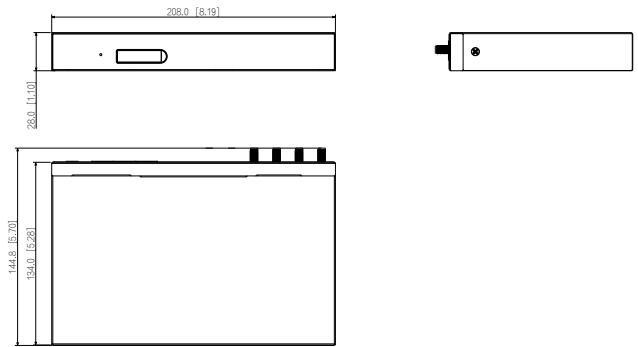
Terminal Communication Protocol	IEEE 802.3/802.3u/802.3ab@LAN IEEE 802.11b/g/a/n/ac/ax@WLAN
Operating Frequency	Wi-Fi: 5.725–5.850GHz, 2.400GHz–2.483GHz Cellular: Southeast Asia version(SEA): B1/B3/B5/B8/ B34/B38/ B39/ B40/B41; Oceania and North American version(US): B1/B2/B3/ B4/B5/B7/B8/B12/B17/B28/B38/B40/B66; European version(EU): B1/B3/B5/B7/B8/B20/B28/ B38/B40/ B41
Antenna	External LTE omnidirectional antenna External Wi-Fi 2.4 GHz/5 GHz dual-band omnidirectional antenna
Antenna Gain	Wi-Fi-2.4 GHz: ≤1.5 dBi Wi-Fi-5.8 GHz: ≤3 dBi Cellular: ≤4.5 dBi
Air Interface Rate	2.4 GHz Wi-Fi: 574 Mbps 5 GHz Wi-Fi: 1201 Mbps LTE FDD: 150 Mbps (DL)/50 Mbps (UL) LTE TDD: 130 Mbps (DL)/30.5 Mbps (UL) WCDMA: 384 Kbps (DL)/384 Kbps (UL) DC-HSPA+: 42 Mbps (DL)/5.76 Mbps (UL) EDGE: 296 Kbps (DL)/236.8 Kbps (UL) GPRS: 107 Kbps (DL)/85.6 Kbps (UL)
Protection	IP30
Connected Wireless Terminals	2.4 GHz Wi-Fi: 32 5 GHz Wi-Fi: 64
Antenna Gain	Wi-Fi-2.4 GHz: ≤1.5 dBi Wi-Fi-5.8 GHz: ≤3 dBi Cellular: ≤4.5 dBi

General

Operating Temperature	–40 °C to +75 °C (–40 °F to +167 °F)
Storage Temperature	–40 °C to +85 °C (–40 °F to +185 °F)
Operating Humidity	< 95%
Gross Weight	1.5 kg (3.31 lb)
Net Weight	0.77 kg (1.70 lb)

Product Dimensions	207 mm × 135 mm × 28 mm (8.15" × 5.31" × 1.10") (L × W × H)
Packaging Dimensions	402mm × 251mm × 84mm(15.83" × 9.88" × 3.31") (L × W × H)
Memory	256 MB
Statics Protection	Air discharge: 15 kV Contact discharge: 8 kV
Lighting Protection	Common mode: 4 kV Differential mode: 2 kV
Installation	Desktop/rack mount

Dimensions (mm [inch])



Panels

