

WD-RT Series Wired Industrial Router Datasheet

Outline:

WatchDog WD-RT Series Industrial Router integrating Routing/Switching/Security and other network application , configuring with 4 or 5 of 10/100/1000M Ethernet ports or 1/2 100/1000M SFP optical ports, Supports direct docking with GPON OLT



Flagship configuration, industrial-grade design enable it to build high-speed and stable wired communication network easily. Supports digital data acquisition, provide users with d long- distance data transmission function by using operator wired network or private network.

Benefit from its industrial-grade design and strict selection of components, the device can withstand high & low temperature, work stably in complex operation condition such as outdoor and in moving vehicle, provide users with a highly reliable, cost-effective wireless security access network solutions. It is already widely applied in many scenarios such as Finance, Transportation, Security, Water Management, Environmental Protection, Energy Management, Postal, Meteorology and the next generation of the IoT field.




Main Features:

- Supports 4/5/8 of 10/100/1000M ethernet ports,WAN/LAN can be configured freely;
- Or supports 1 or 2 of 100/1000m SFP optical port, which provides direct access to the optical network and enables full switching with ethernet ports. can also directly insert the GPON module to interconnect with GPON OLT as an ONU;
- Supports multiple protocols: TCP/IP, UDP, HTTP, TELNET, ICMP, DHCP, PPPOE, DNS, DDNS, etc.;
- Supports static routes and RIP/OSPF/ISIS/BGP routing protocols;
- Supports MPLS service carrying, processing, and forwarding, and can be flexibly deployed in various comprehensive carrying solution scenarios;
- Supports MPLS LDP dynamic protocol;
- Supports L2 VPN (PWE3 & VPLS) and L3 VPN;
- Supports QoS protocols such as priority mapping, traffic policing, traffic shaping, congestion management, and rate limiting;
- Supports ACL and NAT functions;
- Supports the HQoS mechanism that provides hierarchical scheduling based on multi-level queues and distinguishes services and users, and optimizes the transmission of video streams;
- Supports firewall, packet filtering, and URL filtering;
- Supports VPN functions such as GRE, L2TP, IPSEC, PPTP, EOIP, and MPLS;
- Supports 802.1Q VLAN and QinQ function;
- Supports link detection functions for example DLDLP, and can quickly switch to the backup link based on the detection result;
- Supports logging;
- Supports port mirroring;
- Supports CLI, WEB, and SNMP/TR069 centralized NMS;
- Supports version upgrade and rollback;

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Technical Specification:

Model	WD-4010RT	WD-500RT	WD-8010RT
Pic.			
Fixed port	4*1000M Ethernet Port; 2*1000M SFP Port; 1*FUNC Button; 1*100-240VAC,50/60Hz Power Port	5*1000M Ethernet Port; 1*1000M SFP Port; 1*FUNC Button; 1* Standard 3-Core Power Port	8*1000M Ethernet Port; 2*1000M SFP Port; 1*Console port; 1*FUNC button; 1*USB Port; 1* Standard 3-Core Power Port
Cellular Antennas	-		
Network Type	-		
WIFI	-		
Dimension	271*154*33mm (excluding antenna & pendant)		271*154*33mm (excluding antenna & pendant)
Power Consumption	≤18W	≤18W	≤18W
Power Input	DC12V 1.5A		
Housing	High strength metal housing		
IP Degree	IP30		
Operating humidity	10~95%RH		
Operating temp.	-40~+70°C	-40~+85°C	-20~+75°C
Storage Temp.	-40~+85°C		
GPON ONU	Support when GPON optical module is inserted in the optical port		
Mounting	desktop、wall-mounted、din rail		

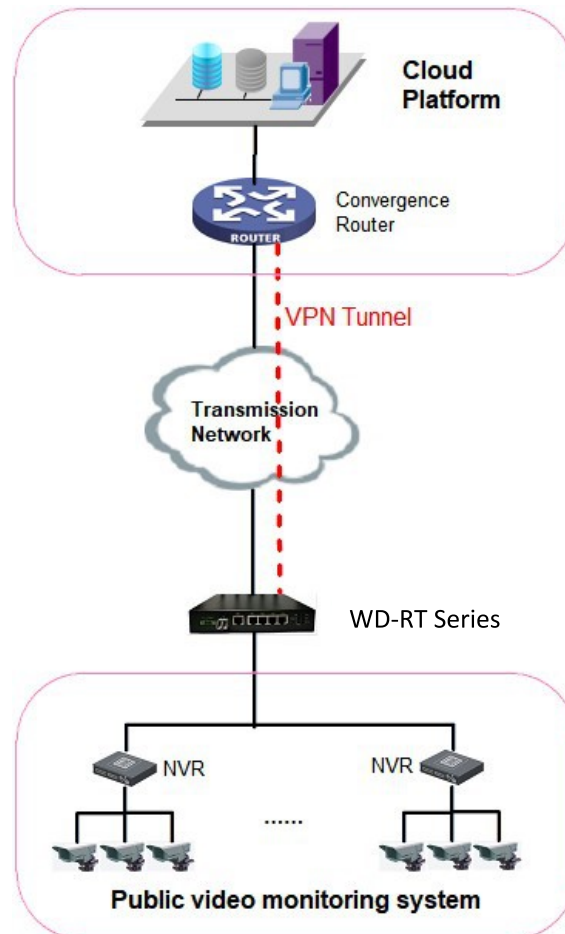
Application Fields:

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- Electricity Management: remote automatic meter reading, real-time monitoring and alarm of voltage and current data, city power grid and street lamp control;
- Security: video surveillance, remote access control system monitoring, anti-theft device alarm;
- Energy Management: data acquisition in coal, natural gas and oil fields, heating system regulation;
- Traffic & Transportation: monitoring and dispatching system of motor vehicle and bank armored vehicle, license plate capture monitoring system, vehicle violation monitoring;
- Environmental protection: real-time data acquisition and automatic control of gas pressure regulating station, real-time monitoring and maintenance of tap water, sewage pipe, lock gate, pump station and water plant;
- Finance: ATM and server room monitoring, mobile securities trading and information inquiry, POS system application;
- Utility: water level flood control monitoring, natural disaster prediction system;
- Media: mobile advertising automatic download system, wireless streaming media advertising management system;
- Meteorology: temperature and humidity data remote acquisition and transmission, weather prediction;

Typical Topology:



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