



TYPE: Sepitam-ER105G-FM

Technical Specification of Sepitam-ER105G-FM

**Industrial 5*10/100/1000Mbps Ethernet RJ45 ports and
1*10/100/1000Mbps SFP ports**



Description:

Sepitam-ER105G-FM industrial router, integrating routing/switching/security and other network application, configuring with 5*10/100/1000M Ethernet ports and 1*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. It supports digital data acquisition, provide users with d long- distance data transmission function 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.

Features:

- Supports 5*10/100/1000Mbps ethernet ports, WAN/LAN can be configured freely;
- Supports 1*100/1000Mbps 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 QoS protocols such as priority mapping, traffic policing, traffic shaping, congestion management, and rate limiting;
- Supports ACL and NAT functions;
- Supports firewall, packet filtering, and URL filtering;
- Supports VPN functions such as GRE, L2TP, IPSEC, VXLAN;
- Supports 802.1Q VLAN and QinQ function;
- Supports link detection functions for example DLDP, 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;

Applications:

- 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;

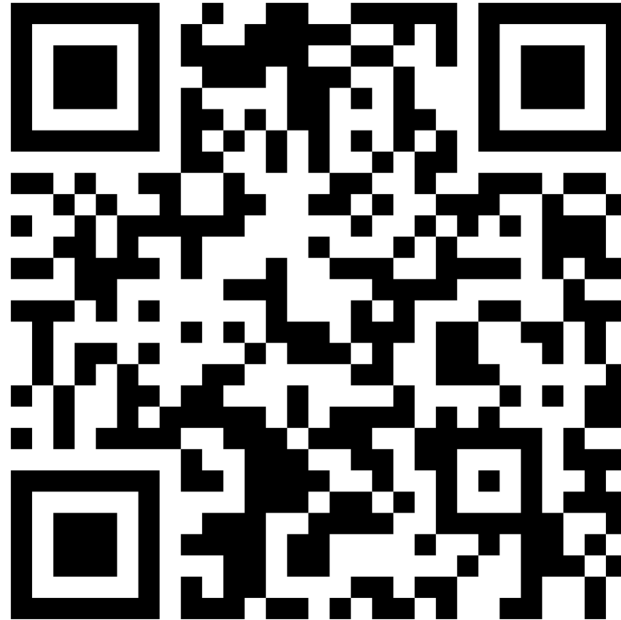
Specifications:

Product Name	Sepitam-ER105G-FM
Interface	5*10/100/1000Mbps Ethernet Port, 1*1000Mbps SFP Port,
Dimension	271*154*33mm (excluding antenna & pendant)
Power Consumption	≤18W
Power Input	DC12V 1.5A
Housing	High strength metal housing
IP Degree	IP30
Operating humidity	10~95%RH
Operating Temperature	-40 to 75 °C
Storage Temperature	-40 to 80 °C
GPON ONU	Support when GPON optical module is inserted in the optical port
Mounting	desktop、 wall-mounted、 din rail



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