

## Product Introduction

Ethernet is migrating from traditional IT equipment and being adopted as a standard interface for many types of machines, however challenges arise at customer's sites where the LAN infrastructure is outside your control.

The S7040 VPN server is easy to install, reducing the reliance on the end customer and enables direct access to your remote LAN devices for control and monitoring purposes. It enables companies to remotely access equipment at mobile, remote networks and isolated sites.



It offers lineate network routing optimized for machines, small networks and specialized Fixed IP services now available from wireless operators. It offers low cost router operation through Dial-out, Dial-in and Always Connected modes of operation.

It also supports VPN function for the high security transmission.

## Application

- Remote Data Monitor and Control
- Water, gas and oil flow metering
- AMR (automatic meter reading)
- Power station monitoring and control
- Remote POS (point of sale) terminals
- Traffic signals monitor and control
- Fleet management
- Power distribution network supervision
- Central heating system supervision
- Weather station data transmission
- Hydrologic data acquisition
- Vending machine
- Traffic info guidance
- Parking meter and Taxi Monitor
- Telecom equipment supervision (Mobile base station, microwave or optical relay station)
- Benefits and Features
- Reliable Architecture
- Embedded Linux OS .X86, NP architecture

## Benefits and features

### High Quality VPN System

- Comprehensive security certification method fully ensures system security
- Recovers automatically from a broken connection
- Sets up VPN tunnel individually to inspect status and distribute bandwidth; highly secured and flexible.
- Encrypts all communication processes through DNS, ensuring security and reliability of the system operation

### Secure and Reliable Firewall System

- Effectively prevents most common network attacks
- Controls and records internal users' access to Internet regulate employees' chat and web access behavior
- Limits single user's connections to fend off attacks from within
- Bonds MAC/IP address to prevent user's ID from theft
- Strategically protects the application server from exposure in the public network using DMZ
- Shields the internal network through transparent Proxy and NAT
- Real-time monitors and reports upon detecting network attacks and emergencies
- Controls and defines each user's access right and scope, protecting business' confidential information.

### Easy To Use and Flexible Intelligent Router

- Provide the professional function among domestic firewall products
- Separates and expands connections to speed up data transfer
- Easily sets up a fixed routing table, also applied to a large-scale network
- Multi-Priority Flow Management Ensure Network's Reliability
- Flow control based on IP or service grade to manage internal users
- Guarantees QoS for different service grade
- Prevents packet loss using advance technology, ensuring error-free data transfer
- Complete Management and Logging Function
- Integrates SNMP service, managing network effectively at ease
- Records and analyzes Log, managing complete network status

## Specification

### Network Characteristics

Ethernet-network interface	Identify cross and straight cable, and negotiate 10/100Mbps automatically.
Work mode	gateway router and switch
Protocol	TCP/UDP protocol
Functions	load balance、 bandwidth overprinting、 WEB dynamic addressing
<b>Function Characteristics</b>	
Power supply	AC150V—240V(50HZ—60HZ)
Firewall processing rate	100Mbps
VPN encrypt speed	5M~200Mbps
Subsequent sessions	8192~327680
New sessions disposed	2250~45000
VPN tunnels	100~5000
<b>VPN authentic technology</b>	
Key switched authentic	Diffie-hellman
Hash authentic	SHA-1 MD5 (PFS)
Authentication mode	Pre-share key
VPN type	IPSec , PPTP
VPN connection mode	Remote Access VPN
<b>Appearance</b>	
Dimension	4410mm x 206mm x44mm
	Item: 2660g
Electromagnetic Compatible	Electrostatic Discharge (ESD): 3 class Radiated, radio-frequency, electromagnetic field immunity test: 3 class
<b>Environment</b>	
Temperature	0~45℃

humidity	95%
Others	
Warranty	1 Year
Package Contents	S7 series VPN Server Cat 5 twisted-pair AC 220V Cable CD-ROM with Product Documentation

## Products models

S7040 VPN Server 4WAN, 4LAN