

SG 1040 (original)



4 Ports Industrial Serial to Ethernet Device Server

Highlights

- ARM9G20 (400 MHz)
- Speed: Max 921.6Kbps
- RS-232 or Combo(RS-422/RS-485) Serial Port * 4
- 10/100Mbps Ethernet Port * 2
- Real-Time Linux
- Management Tool: COM Port Redirector, Portview, TestView
- TCP, UDP, Telnet, ICMP, DHCP, TFTP, HTTP, SNMP 1/2/3, SSH, SSL
- Provide SDK which the users can develop themselves
- Can be widely utilized in USN field with various modules (RFID, ZigBee, WiFi)



Overview

SerialGate1040 is a device server which consists of four serial ports and two 10/100M LAN ports. There are two types of model, RS232 and Combo (422/485), and they support communication speed of up to 921.6Kbps. SerialGate1040 automatically converts data from serial devices to network packets so that it can be accepted by any application with socket communication enabled. It also provides function called COM port redirection which enables serial communication without socket program. This device can be effectively applied in many fields; POS related device connection, various serial device connections in factory, remote monitoring/control/data collection of serial device through web browser, building automation, etc.

Various Protocols

SerialGate 1040 supports various network protocols including TCP, UDP, SNM, and many others to maximize adaptability in user environment. Also, server/client mode and virtual serial port mode enable interwork with user application program in various methods.

Various Utilities

SystemBase provides free utilities, Portview, COM Port Redirector, and Testview, along with device server. COM Port Redirector is an automatic serial/LAN conversion driver installed on a PC. When installed, a user can use serial ports in Portbase that are connected through a network as if they were COM ports in the user's PC. PortView is a real-time communication status-monitoring program for Portbase. From a Windows-based PC, Portbase communication status and all input/output data through each serial port can be monitored from a remote site. TestView is a testing program that evaluates performance of serial port and LAN port.

Serial Communication Tunneling

Tunneling extends cable in between PC and serial devices to network so it makes serial cable with no distance limitation.

Network Serial Communication

As the most common example, PC and SerialGate link to network and serial devices connected to SerialGate are able to be used in PC.

Especificações

Rede

Protocolos	TCP, UDP, Telnet, ICMP, DHCP, TFTP, HTTP, SNMP 1/2/3, SSH, SSL
Porta LAN	10/100 Mbps RJ45 Port x 2
Rede	Static IP, DHCP

Porta Serial

Portas	4 Serial Ports (RJ-45)
Interface	RS232 : RS232 Combo Model : RS422/485
Velocidade	Max. 921.6 Kbps
sinais	TX, RX, DTR, DSR, CTS, RTS, DCD
Data Bits	5, 6, 7, 8
Stop Bits	1, 1.5, 2
Paridade	None, Even, Odd
Controle de Fluxo	RTS/CTS, XON/XOFF

Software

OS	Embedded LINUX
Ferramentas de Gerenciamento	Portview, Web, Telnet
Configuração	Web, Telnet
Segurança	Username and Password
Redirecionador de Porta COM	SystemBase COM Port Redirector Windows 98/ME/2000/XP/2003

Hardware

Processador	ARM9G20 (400MHz)
Flash Memory	8 MB
SDRAM	32 MB
LED	TX, RX, Power, LAN, Ready * RS422, RS485 LED for Combo Model
Alimentação	100-220VAC, Consumption 2.5W
Dimensões	240(W) x 150(L) x 50(H) mm
Peso	1,175 g
Gabinete	Aluminum

Ambiente

Temperatura de Operação °C	0 ~ 50
Temperatura de armazenagem °C	-40 ~ 85

Informação de compra

SG-1040/ Combo	4-port RS422/485 to Ethernet Device Server AC 110/220V Power Input
Conteúdo da embalagem	SerialGate, Direct LAN Cable, Power Cable, CD (Manual & Utility)
Accessórios Opcionais	RJ-45 to DB9 Serial Cable

Dimensões

