

i2Chip makes the difference!

TCP/IP Chip



i2Chip SEG App. Modules

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WIZnet Inc.



i2Chip makes the difference

TCP/IP Chip

Serial Ethernet Gateway



SEG Application Module

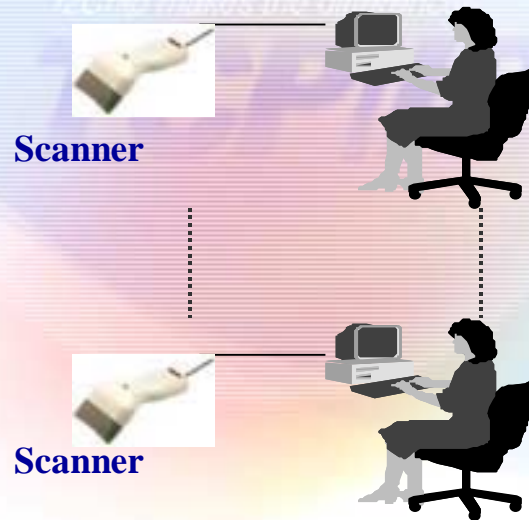
- SEG (Serial Ethernet Gateway)
 - RS-232, 485 to Ethernet protocol translator module
- Functions
 - Serial to Ethernet, Ethernet to Serial translating function
 - Remote firmware uploading, configuration and reset
- Advantages
 - Enable user add their own applications in simple way
 - Supports 4 channel with full 115Kbps speed each
 - Can add user's own application firmware
 - Give more application space to end application
 - Customizable for each diverse Serial-Ethernet applications
- Package
 - PCB board
 - User Programming Environment
 - Programmer's guide



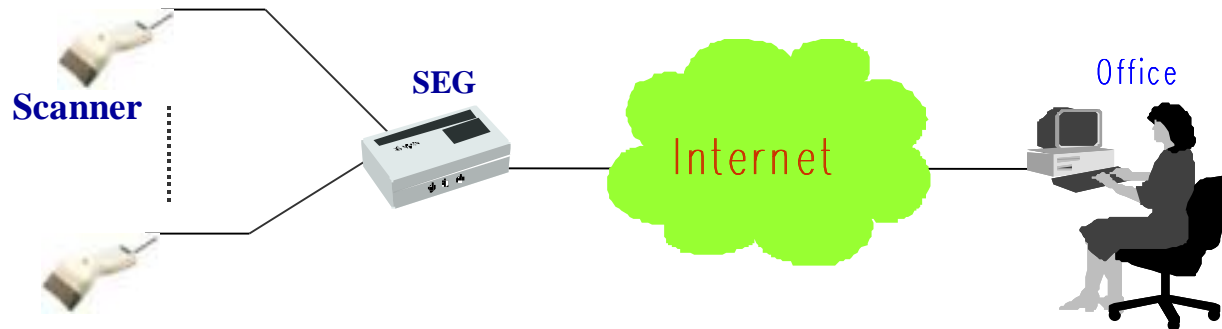


SEG Application Module-Cont.

- Current Solution



- SEG





SEG Module

SEG (Serial-Ethernet Gateway) Module (April 2002)

- 4 Channel Serial-to-Ethernet protocol bridge module
- AT89C51 MCU (16/32K Flash, 32K SRAM)
- In System Programming
- Hardware TCP,UDP,IP, ICMP,ARP,DHCP
- Remote Firmware updating, configuration and resetting through Internet
- Supports 4 channel with full 115Kbps speed each
- Enable to upload and execute user dependent applications
- 50 x 40 mm Small size
- Application Area
 - Serial terminals need internet connectivity
 - Smart card reader, Barcode reader
 - Terminal adapter, and etc



SEG Application Module-Cont.

Items	Sub-items	Detail Specification
CPU Types	89C51	SRAM : 32 Kbytes (External SRAM) Flash : 32 Kbytes (Internal)
Networking	i2Chip	High speed Hardware TCP/IP (TCP, UDP, IP, ARP, ICMP) 4 Concurrent Channel Support Ethernet DLC and MAC integrated
Supporting application protocols	Monitor program	Auto configuration program, i2Chip control, Internet uploading, configuration, reset
Power		5V single power
Security	Login	Password Protection