

WIZnet Hardwired TCP/IP ASSP

Products	
W3100A-LF	Fully Hardwired TCP/IP Chip
W3150A	
Benefits	
Performance Benefit	Line-speed data transmission by hardwired logic
Implementation Benefit	Easy control way like memory
Cost Benefit	No OS required
Application Benefit	- As a Internet Controller : Easy embedded to controllers or data collectors with low-end MCUs - As a Internet Accelerator : Reducing Jitter with fixed processing time by hardware, Enhancing video and voice quality














Differences btw W3100A-LF & W3150A

* W3150A includes below functions additionally comparing with W3100A-LF

- Support PPPoE
- Support Multicasting
- Remove clocked/non-clocked mode
- Remove shadow register
- Remove ACK Pointer Registers
- Replace 4 Byte RD/WR Pointer Registers by 2 Byte Registers
- Simplify Sockets Interrupt that only support Connect, Close, Receive, Timeout, Events
- Support Received Data Size / Free Tx Buffer Size Register per socket
- Support Keep-Alive Send Command in TCP mode
- Support Direct Send Command without ARP in UDP mode



WIZnet Module & EVB

Products	NM7000A	NM7010A	NM7010B	IIM7300 (not for sale)	NM6000	EG-SR-7100A	EG-SR-7150MJ
Item							
Category	Network Module				Serial-to-Ethernet Gateway Module		
Interface	MCU, Ethernet				WLAN, Ethernet		RS232, Ethernet
Components	W3100A, PHY	W3100A, PHY, RJ-45	W3150A, PHY, RJ-45	W3100A, PHY	WLAN Module	89C51, W3100A	89C51, W3150A, RJ-45
MCU, Memory	x	x	x	Atmega128(128K Flash), SRAM(32Kb)	x	AT89C51RC2(32K Flash), SRAM (32Kb)	AT89C51RC2(32K Flash), SRAM (32Kb)
Evaluation Board	-	EVB8051	EVB-B1	EVB AVR	EVB8051-NM6000	EG-SR-7100A-EVB	EG-SR-7150MJ-EVB
							



(* IIM7300 as a module is not for sale. WIZnet provides only EVBAVR as an evaluation board.)

Differences btw EG-SR-7100A & 7150MJ

* EG-SR-7150MJ includes all features of EG-SR-7100A and Serial Command Configuration additionally

* Serial Command Configuration makes operator setup the serial device with serial command at the site without PC



EG-SR-7100A	EG-SR-7150MJ
	
W3100A-LF inside Pin header I/F	W3150A inside RJ-45 I/F
	Configuration by Serial Command Screw hole at each corner
	Includes all features of EG-SR-7100A

