

WriteNow! Series

Single and Parallel In-System Programmers



Key Features

- Ultra-fast, universal In-System Programmers
- True parallel, program up to 8 devices at once
- Industrial-grade reliability
- Standalone operations or host controlled
- Easy to install and to use
- Compact size, fixture friendly

Hardware Features

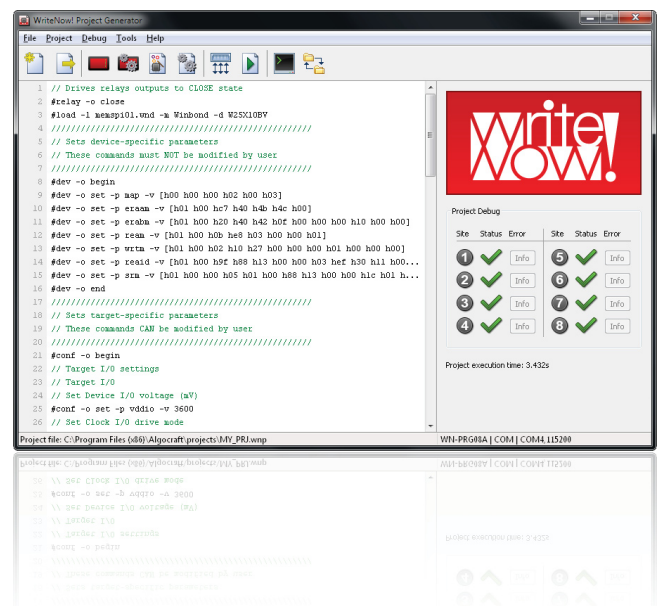
- Supports microcontrollers, serial memories, parallel memories, CPLDs and other programmable devices
- High-speed, parallel programming
- Compact size (fixture friendly)
- Standalone operations or host controlled
- Designed for easy ATE interfacing (Agilent, Teradyne, TRI, SPEA, etc.)
- Supports multiple interfaces (JTAG, BDM, SPI, I²C, UART, etc.)
- Memorizes data on a built-in memory card
- Programmable power supply output (1.5-13V)
- Programmable I/O voltage (1.6-5.5V)
- High-speed I/O
- USB, LAN, RS-232 (isolated) and low-level interface (isolated)
- ISP I/O relay barrier (only available on the single-site model)
- EOS/ESD I/O protection
- Wide range power supply (12-24V)

Applications

- On-board programming for Automatic Test Equipment
- On-board programming for standalone stations
- Functional test
- Automotive

Software Features

- WriteNow! Project Generator—easily create and debug a programming Project in a few guided steps
- Built-in utilities: Image File Creation, File Manager, Easy ISP Signal Connections
- WriteNow! API—for custom application (Visual C, Visual Basic, LabView, etc.)
- ASCII-based command line protocol
- Variable data handling for serial numbering, MAC addresses, production codes, etc.





Model		WN-PRG01A	WN-PRG02A	WN-PRG04A	WN-PRG08A
Programming Sites		1	2	4	8
Power Supply		12-24V			
Dimensions	With Enclosure	143 x 90 x 29mm	153 x 110 x 29mm	153 x 110 x 29mm	153 x 110 x 29mm
	Without Enclosure	143 x 90 x 17mm	153 x 110 x 16mm	153 x 110 x 16mm	153 x 110 x 16mm
Device Type Support		Microcontrollers, CPLDs, Serial Memories	Microcontrollers, CPLDs, Serial Memories	Microcontrollers, CPLDs, Serial Memories	Microcontrollers, CPLDs, Serial/Parallel Memories
Protocols		UART, SPI, JTAG, I ² C, BDM, SWIM, SWD, etc.			
Relays Barrier		YES	NO	NO	NO
ISP Lines	Adj. Voltage Range	1.6-5.5V			
	Adj. Voltage Resolution	100mV			
	Bidirectional Lines	6	12	24	48
	Prog. Clock Out Lines	1	2	4	8
Prog. Power Supply (PPS)	Range	1.5-13V			
	Resolution	100mV			
	Channels	1	2	4	8
Host Interface	RS-232 (Isolated)	Yes			
	LAN	Yes, 100Mbit/s			
	USB	Yes, Full Speed			
	Low-Level Interface (Isolated)	START, START_ENA, OK/ERR, BUSY, PRJ_SEL[0..5]	START[1..2], START_ENA[1..2], OK/ERR[1..2], BUSY, PRJ_SEL[0..5]	START[1..4], START_ENA[1..4], OK/ERR[1..4], BUSY, PRJ_SEL[0..5]	START[1..8], START_ENA[1..8], OK/ERR[1..8], BUSY, PRJ_SEL[0..5]



Universal Device Support



High-Speed Programming



True Parallelism



Secure IP Transfer from Design to Manufacturing



Variable Data Programming



2011 Finalist

Silicon Support

- Atmel
- Cypress
- Ember
- Freescale
- Fujitsu
- Holtek
- Infineon
- ISSI
- Macronix
- Microchip
- Micron
- Numonyx
- NXP
- ON
- Ramtron
- Renesas
- Rohm
- Sanyo
- SII
- Silicon Labs
- Spansion
- SST
- STMicroelectronics
- Texas Instruments
- Winbond

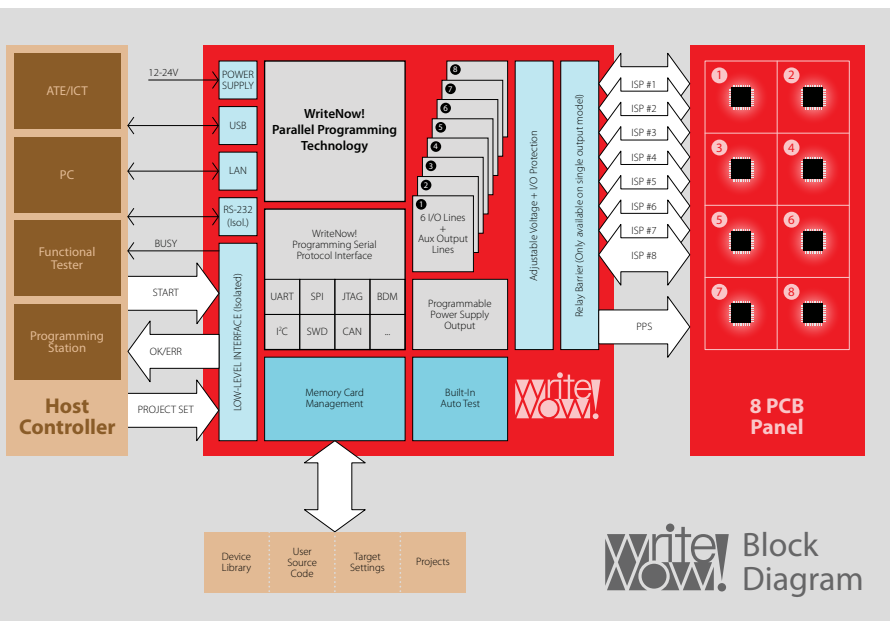
New manufacturers and devices are constantly added.

Package Contents

- WriteNow! unit
- 15V power supply
- Serial and USB cables
- WriteNow! test board
- 48-way, female wire-wrap connector
- Software CD

Accessories

- WN-REB02A** Relay Barrier for WN-PRG02A
- WN-REB04A** Relay Barrier for WN-PRG04A
- WN-REB08A** Relay Barrier for WN-PRG08A



writeNow! Block Diagram



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Rev. 1.2 - FL00010120EN

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