

LUMENX

A revolutionary programming platform delivering managed and secure programming with unrivaled performance at an extraordinary value.

Revolutionary Performance

Ultra-fast programming performance with up to:

- 2X faster download speed up to 50 MBytes/second
- Large image file size support up to 256 GB file and extensible up to 512 GB

- 750 MB/sec read for UFS with VerifyBoost
- 160 MB/sec read & write for all other devices with TurboBoost
- Architected for managed and secure programming
- Secures programming job from point of creation to point of manufacturing
- Comprehensive Version Control and traceability software for managed programming
- Seamless integration with SentriX Product Creator software simplifying the security job creation process

Revolutionary Value

DATA I/O CORPORATION

Datą jo

- Redmond, WA
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- Architected to support the latest devices technologies today and in
- the futureEasy upgrade to support Universal Flash Storage
- 3x programming capacity with up to 8 sockets/programmer and up to 14 LumenX in the PSV7000 for 112 sockets
 6 programmers in the
 - 6 programmers in the PSV5000 for 40 sockets
- Global service and support

DEVICE SUPPORT

- eMMC Flash Memory 4.41, 4.50, 4.51, 5.00, 5.10 LumenX supports eMMC standard speed, HS, HS200 and HS400 modes
- SPI NOR
- Universal Flash Storage (UFS) 2.0,2.1, 3.0 and 3.1; Gear 3 2-Lane (Rate A)
- Secure Elements
- Secure Microcontrollers

PERFORMANCE

- Up to 750 MB/sec read for UFS devices with VerifyBoost license*
- Up to 160 MB/sec read
- Up to 160 MB/sec write
- Up to 50 MB/sec download

*VerifyBoost requires a license. VerifyBoost is only available for UFS devices. Standard verify performance up to 160 MB/sec without a VerifyBoost license.

FILE SIZE SUPPORT

- · 256 GB cache memory standard
- Extensible up to 512 GB
- **Cache memory upgrade purchased separately

ADAPTER + SOCKETING TECHNOLOGY

- Standard burn-in sockets (5,000-10,000 insertions per socket)
- Medium Insertion Count (MIC) for BGA, QFN, QFP, SOP (50,000 insertions per socket)
- High Insertion Count (HIC) for BGA, TSOP, QFP (250,000 insertions per socket)
- · Upgrade kit with UFS single socket interface board for UFS programming
- Network Interface:
- Programming Yield:
- Changeover:
- Device Capacity:

1 Gigabit (1000 BASE-T)

- 99 5%
- Tool-less
 - 8 single socket adapter boards per LumenX programmer

SUPPORT CONTRACTS

The first year of support for factory parts and labor warranty included in purchase price and can be extended via annual service contract. The service contract program enables access to new and optimized algorithms, system software and LumenX Software updates and hardware support.

ENVIRONMENTAL & REGULATORY SPECIFICATION		SYSTEM INTEGRATION	
 Operating Temperature Range: Humidity: 	+10° to +30° C ≤90%	Automated Programming Systems:	PSV7000 with AH700 PSV5000 with CH700
 Regulatory Compliance: 	CE, RoHS	Maximum Socket Capacity:	14 LumenX programmers for up to 112 sockets in PSV7000 5 LumenX programmers for up to 40 sockets in PSV5000

VALUE ADDED SOFTWARE/HARDWARE	LUMENX SOFTWARE (FOR STANDARD PC INTERFACE)	
Automotive Performance PAK Includes:	 Role based user authentication to control access to create, 	
Confirm Input Device	modify, and run programming jobs	
Tape label Generator	Version Control	

- Version Control
 - Read from Master
 - Basic Serialization
 - VerifyBoost License
 - TurboBoost speed standard with LumenX 2.0

ConneX Software

Command Line Interface

Remote Monitoring

 Version Control Bar code Scanning

Serialization

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