



LUMENX

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

Revolutionary Performance

- Engineered for ultra fast read/write speeds greater than 160 MBytes/second with TurboBoost
- 2X faster download speed up to 50 MBytes/second
- Larger image file size support up to 256 GB file and extensible up to 512 GB

Architected for managed and secure programming

- Best in class security with LumenX software application
- Comprehensive traceability software
- Secures programming job from point of creation to point of manufacturing

Revolutionary Value

- Expertly integrated into the PSV7000 and PSV5000 for maximum socket capacity
- Reduce cost by up to 3x for the lowest total cost per programmed part
- Global service and support

DATA I/O CORPORATION

- Redmond, WA
- www.dataio.com
- info@dataio.com
- +1 800-3-DATAIO

DEVICE SUPPORT

- eMMC Flash Memory 4.41-5.1
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;
1 Lane Gear 2 (Rate A) Extensible to 2 Lane Gear 3 (Rate A)
- Secure Elements
- Secure Microcontrollers

PERFORMANCE

- Up to 160 MB/sec + read
- Up to 160 MB/sec + write
- Up to 50 MB/sec download

ADAPTER + SOCKETING TECHNOLOGY

- Standard burn-in sockets (5,000-10,000 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:** 1 Gigabit (1000 BAST-T)
- **Programming Yield:** 99.5%
- **Changeover:** Tool-less
- **Device Capacity:** 8 single socket adapter boards per LumenX programmer

FILE SIZE SUPPORT

- 128 GB cache memory standard
- Upgrade to 256 GB cache memory
- Extensible up to 512 GB*

*Cache memory upgrade purchased separately

SUPPORT CONTRACTS

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

ENVIRONMENTAL & REGULATORY SPECIFICATION

- **Operating Temperature Range:** +10° to +30° C
- **Humidity:** ≤90%
- **Regulatory Compliance:** CE, RoHS

SYSTEM INTEGRATION

- **Automated Programming Systems:** PSV7000 with AH700
PSV5000 with CH700
- **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

Automotive Performance PAK Includes:

- Confirm Input Device
- Tape label Generator
- Remote Monitoring
- Version Control

Bar code Scanning

Command Line Interface

Serialization

ConneX Software

LUMENX SOFTWARE (FOR STANDARD PC INTERFACE)

- **Role based user authentication to control access to create, modify, and run programming jobs**
- **Version Control**
- **Read from Master**
- **Basic Serialization**
- **LumenX Help**