DATA SHEET

CROSS DOMAIN SOLUTION

ArrowLinx

5000 Series

Hardware-enforced one-way transfer for isolated networks.

ArrowLinx 5000 Series

Models 5280 • 5282 • 5283 • 5284 • 5285

10 Gbps
Unidirectional media transfer rate, all models

1 + 1 Gbps
Peak file transfer throughput (model 5283)

1 in 5M
Maximum file loss rate, all models

EAL 4+
Common Criteria certified (5282, 5283, 5284, 5285)*

OVERVIEW

The ArrowLinx 5000 Series is the next-generation ArrowLinx, engineered to securely bridge isolated networks with military-grade assurance. Featuring patented SFP+ technology for high-performance, unidirectional communication and real-time file loss detection, it ensures secure and reliable data transfer while maintaining strict air-gap enforcement.

Certified to Common Criteria EAL 4+ by the Cyber Security Agency of Singapore (CSA)*, it prevents data leakage through hardware-enforced one-way communication. An integrated management portal streamlines deployment, operation, and maintenance, while the stackable hardware design enables seamless integration with third-party solutions.

Its modular form factor encapsulates all core functionalities, supporting secure file transfers, video streaming, VoIP, and cross-domain integrations. The ArrowLinx 5000 Series eliminates data leakage, blocks malware injection, and protects critical infrastructure without compromising efficiency.

ARROWLINX 5000 SERIES

High performance

The next-generation ArrowLinx, built on patented SFP+ technology for high-performance unidirectional communication and real-time file loss detection. Supports secure file transfer, video streaming, VoIP and cross-domain integrations.

- File throughput from 500 Mbps to 1 + 1 Gbps
- Industrial, messaging and streaming protocols
- CC EAL 4+ certified by CSA (5282, 5283, 5284, 5285)*

KEY FEATURES ACROSS THE RANGE

01

Unidirectional communication
Secure, hardware-enforced one-way data transfer.

02

Built-in operational monitoring
Real-time health monitoring with alerts via SYSLOG, email and SNMP traps.

03

Self-service & stackable
Integrated management portal, plus a stackable design for third-party integration.

**Common Criteria EAL 4+ certification by CSA Singapore applies to models 5282, 5283, 5284 and 5285 only, as listed in the specification table on page 2.*

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Technical Specifications

ArrowLinx 5000 Series (5280 / 5282 / 5283 / 5284 / 5285)

Model	5280	5282	5283	5284	5285
PERFORMANCE					
Unidirectional media transfer rate	10 Gbps	10 Gbps	10 + 10 Gbps	10 Gbps	10 Gbps
File transfer throughput	500 Mbps	1 Gbps	1 + 1 Gbps	1 Gbps	1 Gbps
Small files (under 10 KB)	More than 200 files/sec				
File loss	No more than 1 file lost for every 5,000,000 files transferred				
HARDWARE & INTERFACES					
Memory	2 x 8GB RAM	2 x 8GB RAM	4 x 8GB RAM	2 x 8GB RAM	2 x 8GB RAM
Hard disk	2 x 880GB	2 x 1.8TB	4 x 1.8TB	2 x 1.8TB	2 x 1.8TB
Production network (per node)	2 x 1GbE (RJ-45) or 2 x 10GbE (SFP+), teamed network				
Management network (per node)	1 x 1GbE (RJ-45)				
Power supply	Up to 2 x 300W (redundant PSU)				
AC input	AC 110 to 240V @ 50/60Hz (5A max)				
PHYSICAL (PER SERVER)					
Dimensions (H x W x D, cm)	4.40 x 43.00 x 76.00				
Weight	10.6 kg	10.6 kg	11.8 kg	10.6 kg	10.6 kg
Shipping dimensions (H x W x D, cm)	16.00 x 60.00 x 88.00				
Shipping weight	14.2 kg	14.2 kg	15.4 kg	14.2 kg	14.2 kg
ENVIRONMENT & RELIABILITY					
Operating	0 to 40°C • 10 to 95% RH				
Storage	-20 to 70°C • 10 to 95% RH				
MTBF	114,218 hrs	114,218 hrs	62,936 hrs	114,218 hrs	114,218 hrs
CERTIFICATION & CUSTOMS					
Security certification	—	CC EAL 4+ certified by CSA Singapore			
Safety certifications	FCC, CE, UL+CB, BSMI, VCCI				
Export control / HS code	Harmonised System (HS) Code 8517.62.61				

SUPPORTED NETWORK & DATA REPLICATION PROTOCOLS

All models (5280 / 5282 / 5283 / 5284 / 5285)

TCP	**UDP**	**SYSLOG**	**SNMP Traps**	**Probe Mode**	Folders Mirroring (SMB, SAMBA)	SFTP	FTP	HTTP
HTTP(S) • SMTP • OPC (UA, DA) • Kafka • MODBUS (RS232/TCP) • IEC 104 • MQTT • RTSP								

AVEVA PI Historian store-and-forward is supported through a third-party application.

OPERATIONS & MANAGEMENT (ALL MODELS)

Built-in health monitoring with alerts via SYSLOG, email (SMTP) and SNMP traps. NTP synchronisation through ArrowLinx. Self-service configuration portal.

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