

CROSS DOMAIN SOLUTION

ArrowLinux

1280

Hardware-enforced one-way transfer for isolated networks.



ArrowLinux 1280

Compact 1U

10 Gbps

Unidirectional media transfer rate

200 Mbps

File transfer throughput

1 in 5M

Maximum file loss rate

1U

Space-efficient chassis, 40% more compact

OVERVIEW

The ArrowLinux 1280 is a value-optimised, compact ArrowLinux unit engineered for robust, high-assurance data transfer across isolated networks. Equipped with the most commonly required protocols, it delivers exceptional value while maintaining uncompromising security.

With a unidirectional throughput of up to 10 Gbps and file transfer rates of up to 200 Mbps, it supports TCP, UDP, SYSLOG, SNMP traps, SFTP, SMB and FTP protocols. Designed for operational resilience, it features health monitoring, NTP synchronisation, and real-time alerts via SYSLOG, email and SNMP traps. The integrated self-service portal streamlines configuration, while the stackable hardware design enables seamless integration with third-party solutions.

Housed in a space-efficient 1U chassis, now 40% more compact, the ArrowLinux 1280 prevents data leakage, malware injection, and eliminates back-channel exploits. It is ideal for defence, critical infrastructure, and secure enterprise applications, offering greater deployment flexibility in space-constrained environments without compromising performance.

ARROWLINX 1280

Compact

A compact 1U ArrowLinux unit for robust, high-assurance transfer across isolated networks, equipped with the most commonly required protocols. Ideal for defence, critical infrastructure and secure enterprise applications in space-constrained environments.

- ◆ 10 Gbps unidirectional media transfer rate
- ◆ 200 Mbps file transfer rate
- ◆ TCP, UDP, SYSLOG, SNMP traps, SFTP and FTP

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 certification pending, as listed in the specification table on page 2.*



Technical Specifications

ArrowLinux 1280

Model		1280
PERFORMANCE		
Unidirectional media transfer rate		10 Gbps
File transfer throughput		200 Mbps
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
Hard disk		2 x 880GB
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 150W (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 45.00
Weight		8.028 kg
Shipping dimensions (H x W x D, cm)		23.6 x 57.0 x 83.8
Shipping weight		16.1 kg
ENVIRONMENT & RELIABILITY		
Operating		0 to 40°C • 10 to 95% RH
Storage		-20 to +75°C, 10 to 95% RH
MTBF		93,703 hrs
CERTIFICATION & CUSTOMS		
Security certification		—*
Safety certifications		FCC, CE, UL+CB, BSMI, VCCI
Export control / HS code		Harmonised System (HS) Code 8517.62.61

SUPPORTED NETWORK & DATA REPLICATION PROTOCOLS

ArrowLinux 1280

TCP	UDP	SYSLOG	SNMP Traps	Probe Mode	Folders Mirroring (SMB, SAMBA)	SFTP	FTP
-----	-----	--------	------------	------------	--------------------------------	------	-----

OPERATIONS & MANAGEMENT

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