

CyberTransporter

Data Diode - Secure Information Gateway



CyberTransporter 1280



CyberTransporter 5000 series

The CyberTransporter is a high assurance data diode engineered for secure information exchange across isolated networks. Patented SFP+ technology physically enforces unidirectional communication, while real-time file loss detection ensures reliable data transfer and maintains strict network isolation.

Common Criteria EAL4+ certified by the Cyber Security Agency of Singapore (CSA), it supports secure file transfer, video streaming, VoIP and cross-domain integration. An integrated management portal and stackable architecture simplify deployment and third-party integration, helping prevent data leakage and malware injection while protecting mission critical infrastructure.

KEY CAPABILITIES



Hardware Enforced One-Way Security

Patented SFP+ technology physically enforces unidirectional communication between segregated high-assurance networks.



High Performance Data Transfer

Supports high-volume information exchange with built-in file-loss detection for reliable mission critical operations.



Broad IT/OT Protocol Support

Supports enterprise and industrial protocols for secure integration across IT, OT and critical infrastructure environments.



High Assurance Protection

Common Criteria EAL4+ certification provides independently validated security for high assurance deployments.



Scalable System Integration

Stackable architecture and integrated management enable deployment with third-party security and cross-domain solutions.

TECHNICAL HIGHLIGHTS



Up to 10 + 10 Gbps

Unidirectional media transfer



Up to 1 + 1 Gbps

File transfer throughput



Broad IT/OT Protocol Support

HTTP(S), OPC UA, MODBUS, IEC 104 and MQTT



Integrated Operational Management

Health monitoring, alerts, NTP synchronisation and self-service configuration



CC EAL4+ Certified

By Cyber Security Agency of Singapore (CSA)



*Common Criteria certification pending



SPECIFICATIONS

CyberTransporter 5000 Series

Model		5280	5282	5283
Supports diverse network and data replication protocols.		TCP, UDP, SYSLOG, SNMP Traps, Probe Mode, Folders Mirroring (SMB, SAMBA), SFTP, FTP, HTTP, HTTP(S), SMTP, OPC UA, Kafka, MODBUS (RS232/TCP), IEC 104, MQTT, RTSP		
Operational & Management		○ Built-in health monitoring. ○ Supports alerts via SYSLOG, email (SMTP) and SNMP traps. ○ NTP Synchronisation over Data Diode. ○ Self-Service Configuration Portal.		
Security Certification		-	CC EAL 4+ certified by CSA Singapore	
Dimensions (Per Server)	• Height	4.40cm	4.40cm	4.40cm
	• Width	43.00cm	43.00cm	43.00cm
	• Depth	76.00cm	76.00cm	76.00cm
	• Weight	10.6kg	10.6kg	11.8kg
Power		○ Up to 2 x 300W (redundant PSU) ○ AC 110 to 240V @ 50/60Hz (5A Max)		
Memory		2 x 8GB RAM	2 x 8GB RAM	4 x 8GB RAM
Hard Disk		2 x 880GB	2 x 1.8TB	4 x 1.8TB
Network Interfaces	• Production	2 x 1GbE (RJ-45) or 2 x 10GbE (SFP+) (Teamed network, per node)		
	• Management	1 x 1 GbE (RJ-45) (per node)		
Unidirectional Media Transfer Rate		10Gbps	10Gbps	10 + 10Gbps
Throughput (Files Transfer)		500Mbps	1Gbps	1 + 1Gbps
		○ File size less than 10 KB: more than 200 files/sec ○ No more than 1 file lost for every 5,000,000 files transferred		
Environment	• Operating	○ Temperature: 0 to 40°C ○ Humidity: 10 to 95% RH		
	• Storage	○ Temperature: -20 to 70°C ○ Humidity: 10 to 95% RH		
Export Control and Customs		Harmonised System (HS) Code - 8517.62.61		
MTBF		114,218 Hrs	114,218 Hrs	62,936 Hrs
Safety Certifications		FCC, CE, UL+CB, BSMI, VCCI		
Shipping Dimensions (Per Server)	• Height	16.00cm	16.00cm	16.00cm
	• Width	60.00cm	60.00cm	60.00cm
	• Depth	88.00cm	88.00cm	88.00cm
	• Weight	14.2kg	14.2kg	15.4kg



SPECIFICATIONS

CyberTransporter 1280

Supports diverse network and data replication protocols	TCP, UDP, SYSLOG, SNMP Traps, Probe Mode, Folders Mirroring (SMB, SAMBA), SFTP, FTP
Operational & Management	- Built-in Data Diode operational health monitoring. - Can send SYSLOG, Email (SMTP) & SNMP trap for alerts. - NTP Synchronisation over Data Diode. - Self-Service Configuration Portal.
Security Certification	-
Height	4.40cm
Width	43.00cm
Depth	45.00cm
Weight	8.028KG
Power	Up to 2 x 150W (redundant PSU) AC 110 to 240V @ 50/60Hz (5A Max)
Memory	2 x 8GB RAM
Hard Disk	2 x 880GB
Production	2 x 1GbE (RJ-45) or 2 x 10GbE (SFP+) (Teamed network, per node)
Management	1 x 1 GbE (RJ-45) (per node)
Unidirectional Media Transfer Rate	10Gbps
Throughput (Files Transfer)	200Mbps - File size less than 10 KB: more than 200 files/sec - No more than 1 file lost for every 5,000,000 files transferred.
Operating	- Temperature: 0 to 40°C - Humidity: 10 to 95% RH
Storage	- Temperature: -20°C to +75°C - Humidity: 10 to 95% RH
Export Control & Customs	Harmonised System (HS) Code - 8517.62.61
MTBF	93,703 Hrs
Safety Certifications	FCC, CE, UL+CB, BSMI, VCCI
Shipping Dimensions (Per Server)	23.6cm H x 57.0cm W x 83.8cm D
Weight	16.1KG

