DataPlix-S45

Simplex your data

Overview

The DataPlix-S45 Solution is an industrial-grade, unidirectional data flow system purpose-engineered to safeguard air-gapped and classified network domains from inbound threat vectors. hardware-enforced isolation and one-way communication protocols, it establishes a controlled and irreversible data path, thereby eliminating vulnerabilities associated with bidirectional connectivity.

Housed in a 19” rack-mountable chassis, the platform is built on high-reliability, industrial-grade components optimized for continuous 24/7 operation.

Designed for operational resilience, the system features fully automated, maintenance-free functionality with an intuitive user interface. It is ideally suited for deployment in defense installations, R&D facilities, secure enterprise networks, and other environments demanding absolute data sovereignty

Product Highlights

- Secure hardware-enforced unidirectional data flow design
- Plug and play;
- Ready to deploy in air gapped network
- High throughput
- User-Friendly Configuration via GUI
- Multi-protocol support
- Front panel cabinet connections for clear system visibility
- Redundant power supply

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Appliance Specifications

	DataPlix-S45
Hardware Specification	
CPU	13th Gen Intel® i5 Processor, 2.5GHz, 14 cores
Memory	DDR5 16 GB
Network Interfaces	Dual 2.5G LAN
Console Port	--
USB Ports	4x USB 3.2
Storage Capacity	NVMe M.2 512 GB
Recommended Max. UEBA users	4000
TPM	TPM 2.0
Dimensions	
Height x Width x Length (inches)	3.4 x 19 x 23.6
Height x Width x Length (mm)	88 x 440 x 600
Weight	Approx 11 kg
Form Factor	2U
Environment	
AC Power Supply	230V @ 50 Hz
Power Consumption (Maximum)	410 W
Heat Dissipation	1431 (BTU/h)
Operating Temperature	-10°C ~ 60°C
Storage Temperature	-20°C ~ 70°C
Airflow	Front to Back
Compliance	
Compliance	RoHS and EMC
Software Specification	
Throughput	Upto 10Gbps
Protocol Support (Across Diode)	UDP
Protocol Support (User communication)	HTTP, SFTP, FTP, NTP
Monitoring & Audit	Syslog
NFS Support	Yes
Web based Management	Yes
AD/LDAP User Integration	Yes

* Specifications are subjected to change without prior notice

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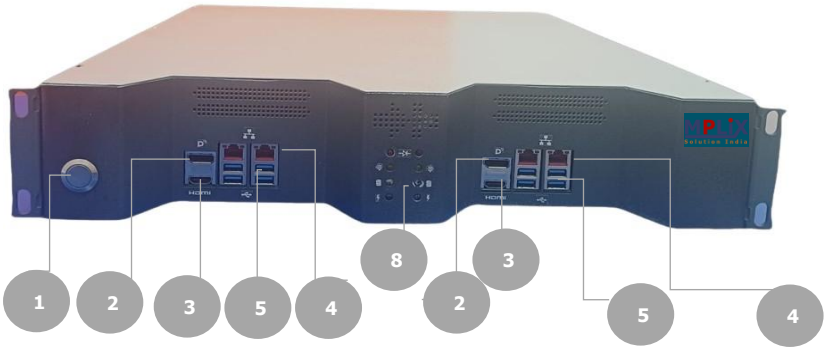
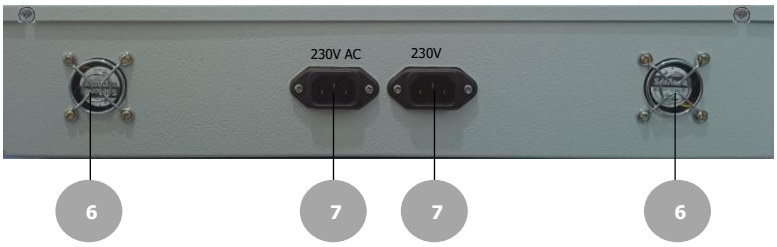
Hardware Information DataPlix-S45





Interfaces

1. ON/OFF Switch
2. Display port
3. HDMI port
4. 2x RJ45
5. 4x USB 3.0
6. 2x Air Exhaust
7. 2x Power Supply
8. LED Indicators

Dual Power Supply

Power supply redundancy is essential in the operation of mission-critical networks. The DataPlix-S45 series offers dual built-in non-hot swappable power supplies.

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