AC-SiDPKS02H00

Sunix DPKS02H00 DevicePort Dock Mode Ethernet enabled 2-port RS-232 Port Replicator

Product Overview

Sunix DPKS02H00 Device Port dock mode Ethernet enabled - 2x serial/RS-232 over Ethernet, upstream+downstream with daisy support up to 4x units/ 12x serial ports, auto-detect & port-mapping, 115 Kbps, sunix DPL2000Q chipset, 121x81.9x27mm, 15KV ESD protection + 8KV IEC1000-4-2 Contact Discharge + 2KV surge protection, powered by USB - to prevent on-line spy recording, Device Port Dock Mode limits specific Ethernet port connection to PC (not directly on router or switch)



Specifications

About this product

The Sunix DPKS02H00 Device Port Dock Mode Ethernet Enabled Serial Device Server provides 2 x RS-232 serial ports over Ethernet with advanced port mapping, daisy chain expansion up to 12 serial ports, and enhanced security through Device Port Dock Mode. Powered directly by USB and featuring industrial-grade surge and ESD protection, it is ideal for connecting serial devices to modern network environments. Buy now for quick delivery in South Africa.

Overview Summary

Sunix DPKS02H00 Ethernet Serial Device Server

The Sunix DPKS02H00 is a professional serial-over-Ethernet device server designed to connect RS-232 equipment to networked environments while maintaining reliable communication and enhanced security. Featuring two RS-232 serial ports and support for daisy chaining up to four units, the device can expand deployments to support up to twelve serial ports from a single system.

Built around the Sunix DPL2000Q chipset, the DPKS02H00 supports automatic device detection and port mapping for simplified installation and management. Device Port Dock Mode restricts Ethernet connectivity directly between the device and a host PC, helping prevent unauthorized network access and reducing the risk of online monitoring or recording. Integrated surge and ESD protection further enhance reliability in industrial, commercial, and automation environments.

Performance tier: Professional Industrial Networking

Uses: Industrial automation, POS systems, serial device networking, equipment monitoring, legacy device integration, machine control, data acquisition systems

Overview

SUNIX DevicePort is the ideal choice to enable your current Legacy I/O devices networking. DPKS02H00 allows users to expand two RS-232 ports over Ethernet connection, and it works as a PCIe add-on card operation on any windows based tiny desktop, laptop, or All-in-one system. With SUNIX DPL2000Q High-Performance Ethernet-UART controller and exclusive I/O redirection technology, DevicePort creates physical COM ports that support real time data communication and Ethernet-COM port hot-plug capability; user can expand RS-232 COM port easily without complex software configuration that improves deployment efficiency to achieve greater reliability in commercial and industrial automation applications.

Description

The Sunix DPKS02H00 is designed to bridge traditional RS-232 serial devices with modern Ethernet-based infrastructure. By enabling serial communication across network environments, it allows businesses to extend the life of legacy equipment while simplifying deployment and management.

Its Device Port Dock Mode architecture provides an additional layer of security by limiting Ethernet connectivity directly between the host computer and the device rather than allowing direct router or switch connections. This approach can help reduce unauthorized access risks in environments where sensitive serial communications are used.

The device features two serial ports with support for data rates up to 115 Kbps. Multiple units can be connected in a daisy chain configuration, allowing expansion from two ports to as many as twelve serial ports using four interconnected devices. Automatic device detection and port mapping reduce installation complexity and improve deployment efficiency.

Industrial-grade protection includes 15KV ESD protection, 8KV IEC1000-4-2 contact discharge protection, and 2KV surge protection, helping ensure reliable operation in demanding commercial and industrial environments. USB-powered operation eliminates the need for a separate power adapter, simplifying installation and reducing cable clutter.

Features

The Sunix DPKS02H00 combines serial connectivity, network integration, security, and industrial reliability in a compact form factor.

- 2 x RS-232 serial ports over Ethernet connectivity.
- Device Port Dock Mode security architecture.
- Daisy chain support for up to 4 x units.
- Expandable to support up to 12 serial ports.
- Automatic device detection and port mapping.
- Data transfer rates up to 115 Kbps.
- Powered directly via USB connection.
- Built on the Sunix DPL2000Q chipset.
- 15KV ESD protection for improved reliability.
- 8KV IEC1000-4-2 contact discharge protection.
- 2KV surge protection.
- Compact and space-saving design.
- Suitable for industrial and commercial deployments.

What's in the Box

- 1 x Sunix DPKS02H00 Device Port Dock Mode Ethernet Serial Device Server
- 1 x USB Power Connection
- 1 x User Documentation

Specifications

Serial Communication

Interface	RS-232
Controller	SUNIX DPL2000Q
BUS	Ethernet
No. of Port	2-port
FIFO	1Kbyte Hardware / per port
Signal	DCD, TxD, RxD, RTS, CTS, DTR, DSR, GND, RI
Protection	+/-15KV ESD IEC-61000-4-2 Air Discharge
	+/-8KV ESD IEC61000-4-2 Contact Discharge
	+/-4KV ESD IEC61000-4-2 Level2 Line-to-Line
Baud rate	50bps ~115.2Kbps
Stop bit	1, 1.5, 2
Parity	even, odd, none, mark, space
Flow Control	Xon/Xoff (software)
Connector	DB9 Male
Ethernet Communication	
Number of Ports	2-port (*Note 1)
	Upstream to Ethernet Switch
	Downstream to PC Host
Speed	10/100 Mbps, auto MDI/MDIX
Connector	RJ45
Magnetic Isolation Protection	1.0K Built-in
Power Requirements	
Input Voltage	5 to 12VDC
Power Consumption	2.5W @ 5VDC
Connector	DC-Jack
Driver Support	
Windows Client	XP (X86) / 7 / 8 / 8.1 / 10 (X86/X64)
Windows Server	2003 / 2008 / 2012R2 (X64)
Regulatory Approvals	
Hardware	CE, FCC, VCCI, BSMI
Software	Microsoft WHQL Windows
	Microsoft Client: XP (X86) / 7 / 8 / 8.1 (X86/X64)
	Microsoft Server: 2003/2008/2012R2 (X64)
Environment	
Operation Temperature	0 to 45degreesC (32 to 113degreesF)
Operation Humidity	5 to 95% RH (non-condensing)
Storage Temperature	-20 to 85degreesC (-4 to 185degreesF)

Physical Characteristics	
Housing	ABS, PC, Metal
Weight	145g
Dimensions	121x81.93x27(mm), 4.7x3.2x1.0(inch)

FAQ

What is the Sunix DPKS02H00 used for?

The Sunix DPKS02H00 is used to connect RS-232 serial devices to Ethernet networks while maintaining reliable communication and centralized management.

How many serial ports does the device provide?

The unit includes 2 x RS-232 serial ports and can be expanded through daisy chaining to support up to 12 serial ports.

What is Device Port Dock Mode?

Device Port Dock Mode restricts Ethernet connectivity to a direct host PC connection rather than allowing direct router or switch connectivity, helping improve communication security.

Does the device require an external power supply?

No. The DPKS02H00 is powered directly through a USB connection.

Is the device suitable for industrial environments?

Yes. It includes 15KV ESD protection, 8KV contact discharge protection, and 2KV surge protection for improved reliability in demanding environments.

Can it work with legacy serial equipment?

Yes. The device is specifically designed to integrate RS-232 equipment into modern Ethernet network infrastructures.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/AC-SiDPKS02H00-Sunix-DPKS02H00-DevicePort-Dock-Mode-Ethernet-enabled-2-port-RS-232-p-90549.php

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