AC-SiDPKS04H00

Sunix DPKS04H00 DevicePort Dock Mode Ethernet enabled 4-port RS-232 Port Replicator

Product Overview

Sunix DPKS04H00 Device Port dock mode Ethernet enabled - 4x 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, 190x119.6x27mm, 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 DPKS04H00 Device Port Dock Mode Ethernet enabled RS-232 expander delivers reliable 4-port serial connectivity over Ethernet with advanced DevicePort docking technology, daisy chain expansion support, and industrial grade protection. Buy this high performance RS-232 over Ethernet solution for stable communication, secure device linking, and scalable serial port expansion in South Africa from this online store and improve your industrial networking efficiency today.

Overview Summary

Sunix DPKS04H00 Device Port Dock Mode RS-232 over Ethernet Expanderis a professional industrial connectivity solution designed to extend legacy serial devices across modern Ethernet networks. It enables 4 independent RS-232 ports with stable real time communication and automatic COM port mapping, making it ideal for automation, monitoring, and industrial control systems.

This DevicePort dock mode system uses the SUNIX DPL2000Q high performance controller to ensure low latency and reliable data transmission up to 115 Kbps. It supports plug and play COM port detection, secure host to device communication, and scalable daisy chain expansion up to multiple units for increased port density.

Built for harsh environments, the unit includes advanced protection features such as 15KV ESD protection, IEC 61000-4-2 compliance, and surge protection up to 8KV contact discharge. USB powered operation simplifies deployment while maintaining stable industrial grade performance.

Performance tier: Industrial grade

Uses: Industrial automation, Serial device networking, RS-232 device expansion, Remote equipment monitoring, Legacy system integration

Overview

SUNIX DevicePort(RegTM) is the ideal choice to enable your current Legacy I/O devices networking. DPKS04H00 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(RegTM) 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 DPKS04H00 is a DevicePort Dock Mode solution engineered to extend RS-232 serial communication over Ethernet infrastructure. It converts traditional serial interfaces into network accessible COM ports, allowing seamless integration of legacy equipment into modern IT environments without complex configuration.

Featuring 4 independent RS-232 channels, the device supports stable baud rates up to 115 Kbps with real COM port emulation. Its built in auto detect and port mapping system simplifies deployment across Windows based systems and industrial control platforms.

The inclusion of daisy chain capability allows multiple units to be linked together, expanding total serial capacity up to 12 ports or more depending on configuration. This makes it highly scalable for growing industrial or commercial automation environments.

Features

The Sunix DPKS04H00 is designed with advanced industrial connectivity features that ensure stable and secure operation in demanding environments.

- 4 x RS-232 serial ports over Ethernet networking
- DevicePort Dock Mode with secure PC to device connection
- SUNIX DPL2000Q high performance controller chipset
- Automatic COM port detection and mapping
- Real COM port emulation for software compatibility
- Daisy chain support for multi unit expansion up to 12 ports
- 115 Kbps serial communication speed support
- 15KV ESD protection for industrial safety
- 8KV IEC 61000-4-2 contact discharge protection
- 2KV surge protection for stable operation
- USB powered design for simplified installation
- Low latency data buffering for reliable transmission

What's in the Box

- Sunix DPKS04H00 DevicePort Dock unit
- USB power cable
- Quick installation guide
- Mounting accessories (if applicable)

Specifications

Serial Communication	
Interface	RS-232

Controller	SUNIX DPL2000Q
BUS	Ethernet
No. of Port	4-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	283 g
Dimensions	190x119.58x27(mm), 7.5x4.8x1.0 (inch)

FAQ

What is the Sunix DPKS04H00 used for?

The Sunix DPKS04H00 is used to extend RS-232 serial devices over Ethernet networks, allowing legacy equipment to be controlled and monitored remotely through virtual COM ports.

Does the device support multiple serial ports?

Yes, it supports 4 independent RS-232 ports and can be expanded using daisy chain configuration for larger setups.

Is the Sunix DPKS04H00 suitable for industrial environments?

Yes, it is designed for industrial use with high level ESD protection, surge protection, and stable real time communication features.

How is the device powered?

The unit is powered via USB, making installation simple without requiring complex external power supplies.

What is DevicePort Dock Mode?

DevicePort Dock Mode ensures a secure and direct communication link between the PC and serial devices over Ethernet, improving stability and reducing configuration complexity.

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-SiDPKS04H00-Sunix-DPKS04H00-DevicePort-Dock-Mode-Ethernet-enabled-4-port-RS-232-p-90550.php

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