AC-SiDPAS04HP0

Sunix DPAS04HP0 DevicePort Advanced Mode Powered COM Ethernet enabled 4-port RS-232 Port Replicator

Product Overview

Sunix DPAS04HP0 DevicePort Advanced mode Ethernet enabled with WiFi support - 4x Powered serial/RS-232 over Ethernet, upstream+downstream with daisy support up to 255x serial ports, auto-detect & port-mapping, 115 Kbps, sunix DPL2000Q chipset, 121x81.9x27mm, 15KV ESD protection + 8KV IEC1000-4-2 Contact Discharge + 4KV line-to-line protection, powered by USB - to prevent on-line spy recording, DevicePort Dock Mode limits specific Ethernet port connection to PC (not directly on router or switch)



Specifications

About this product

The Sunix DPAS04HP0 DevicePort Advanced is a secure, Ethernet-enabled serial device server featuring 4 x powered RS-232 ports with WiFi support, designed for controlled serial over IP deployments where data protection and flexible port expansion are essential.

Overview Summary

Sunix DPAS04HP0 DevicePort Advanced Serial over Ethernet Server

The Sunix DPAS04HP0 DevicePort Advanced provides reliable serial device connectivity over Ethernet with integrated WiFi support. Built on the Sunix DPL2000Q chipset, it supports upstream and downstream daisy chaining for scalable deployments of up to 255 serial ports, making it ideal for industrial, automation, and secure IT environments.

This device features advanced auto-detection and intelligent port mapping to simplify configuration and reduce setup time. Powered via USB, it adds an additional layer of protection against online spy recording. DevicePort Dock Mode further enhances security by restricting Ethernet connectivity directly to a PC rather than a shared router or switch.

Performance tier: Industrial-grade

Uses: Serial device networking, industrial automation, secure data acquisition, legacy equipment integration, controlled RS-232 over IP

Overview

DPAS04HP0 allows users to expand four RS-232 Powered COM ports over Ethernet connection, and it works on any windows

based desktop, thin client, laptop, All-in-one, and tablet PC computers. 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, Smart COM on/off-line deployment, and Ethernet-COM port hot-plug capability; user can expand RS-232 COM port easily without complex software configuration. SUNIX DevicePort(RegTM) improves solution deployment efficiency to achieve greater reliability in commercial and industrial automation applications.

Description

The Sunix DPAS04HP0 DevicePort Advanced is engineered for environments requiring secure and scalable serial over Ethernet connectivity. With four powered RS-232 ports and support for Ethernet and WiFi communication, it enables legacy serial devices to be integrated into modern IP networks without compromising security.

Its daisy chain capability allows expansion up to 255 serial ports, supporting complex installations while maintaining centralized management. The Sunix DPL2000Q chipset ensures stable performance at data rates up to 115 Kbps, while advanced ESD and line protection safeguard connected equipment in electrically noisy environments.

Designed with security in mind, the USB-powered architecture helps prevent online spy recording, and DevicePort Dock Mode restricts Ethernet access to a dedicated PC, making it suitable for sensitive applications where controlled access is required.

Features

The Sunix DPAS04HP0 combines advanced networking, security, and reliability features for professional serial connectivity.

- 4 x powered RS-232 serial ports over Ethernet
- Ethernet enabled with WiFi support
- Upstream and downstream daisy chain support up to 255 serial ports
- Auto-detect and intelligent port mapping
- Sunix DPL2000Q chipset for stable operation
- USB powered design to enhance data security
- DevicePort Dock Mode for controlled PC-only Ethernet connection
- 15KV ESD protection
- 8KV IEC1000-4-2 contact discharge protection
- 4KV line-to-line protection

What's in the Box

- Sunix DPAS04HP0 DevicePort Advanced unit
- USB power cable
- Quick installation guide

Specifications

Serial Communication	
Interface	RS-232
Controller	SUNIX DPL2000Q
BUS	Ethernet
No. of Port	2-port
FIFO	1Kbyte Hardware / per port
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
Signal	DCD, TxD, RxD, RTS, CTS, DTR, DSR, GND, RI
Protection	+/-15KV ESD IEC6000-4-2 Air Discharge
	+/-8KV ESD IEC61000-4-2 Contact Discharge
	+/-4KV ESD IEC61000-4-2 Level2 Line-to-Line
Ethernet Communication	
Number of Ports	2-port, Ethernet Switch Port
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	EUR: CE EN55022 Class B, EN55024
	US: FCC Part 15 Class B
	TAIWAN: BSMI: CNS13438
	AS/NZS: C-Tick: CISPR22 AS/NZS
	JAPAN: VCCI
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	145 g
Dimensions	121x81.93x27(mm), 4.7x3.2x1.0(inch)

FAQ

What is the Sunix DPAS04HP0 used for

The Sunix DPAS04HP0 is used to connect RS-232 serial devices to Ethernet or WiFi networks, enabling remote management and integration of legacy equipment into modern IP environments.

How does the daisy chain feature work

The device supports upstream and downstream daisy chaining, allowing multiple units to be linked together and expanded to a maximum of 255 serial ports under a single network architecture.

Is this device suitable for secure environments

Yes, the USB-powered design helps prevent online spy recording, and DevicePort Dock Mode restricts Ethernet connectivity to a dedicated PC rather than a shared network.

Does the device provide electrical protection

The Sunix DPAS04HP0 includes 15KV ESD protection, 8KV contact discharge protection, and 4KV line-to-line protection to safeguard connected devices.

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-SiDPAS04HP0-Sunix-DPAS04HP0-DevicePort-Advanced-Mode-Powered-COM-Ethernet-enabled-p-129634.php

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