

# AC-SiDPKM21H00

Sunix DPKM21H00 DevicePort Dock Mode Ethernet enabled RS-232 & Printer Port Replicator

## Product Overview

Sunix DPKM21H00 Device Port dock mode Ethernet enabled - 2x serial (RS232) + 1x parallel (SPP/BPP/ECP/EPP) over Ethernet, upstream+downstream with daisy support up to 4x units/ 12x serial + 3x LPT (278/378/3BC ISA address), auto-detect & port-mapping, 2.7Mbps + 115.2Kbps, sunix DPL2000Q chipset, 190x119.6x27mm, 15KV ESD IEC6000-4-2 Air Discharge + 8KV ESD IEC61000-4-2 Contact Discharge 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 DPKM21H00 DevicePort dock mode Ethernet adapter enables reliable expansion of serial and parallel ports over Ethernet, offering 2x RS232 serial and 1x parallel connectivity with USB powered operation. Buy now for secure, high performance industrial communication and network controlled device access in South Africa.

### Overview Summary

**Sunix DPKM21H00 DevicePort Ethernet Dock Adapter** is an industrial interface solution designed to extend legacy serial and parallel devices over Ethernet networks. It supports DevicePort dock mode operation, ensuring controlled communication between PC systems and connected peripherals.

This unit provides 2x RS232 serial ports and 1x parallel port with support for SPP, BPP, ECP, and EPP modes. It also features daisy chain capability for up to 4 units, allowing expansion to 12 serial ports and 3 LPT ports in larger deployments.

Built with Sunix DPL2000Q chipset, it delivers stable performance with data transfer rates up to 2.7Mbps for parallel and 115.2Kbps for serial communication. It includes advanced ESD protection for improved durability in demanding environments.

**Performance tier:** Industrial

**Uses:** industrial automation, legacy device integration, serial communication expansion, POS systems, laboratory equipment connectivity

### Overview

SUNIX DevicePort is the ideal choice to enable your current Legacy I/O devices networking. DPKM21H00 allows users to expand both RS-232 and printer 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/Printer controller and exclusive I/O redirection technology, DevicePort creates physical COM and LPT ports that support real time data communication and Ethernet-COM/LPT port hot-plug capability; user can expand legacy port easily without complex software configuration that improves deployment efficiency to achieve greater reliability in commercial and industrial automation applications.

Description

The Sunix DPKM21H00 DevicePort Dock Mode Ethernet adapter is engineered for professional environments requiring reliable serial and parallel port expansion over network infrastructure. It is ideal for connecting legacy industrial devices to modern systems without direct physical interfaces.

Its DevicePort dock mode restricts Ethernet port connections to a dedicated PC, preventing direct router or switch access for improved control and reduced unauthorized interception risk. The device supports auto detection and port mapping for simplified configuration.

With robust electrical protection including 15KV air discharge and 8KV contact discharge ESD protection, this adapter is designed for stable long term operation in industrial and commercial environments.

Features

- Key features of the Sunix DPKM21H00 include:
- 2x RS232 serial ports for legacy device connectivity
  - 1x parallel port supporting SPP, BPP, ECP, and EPP modes
  - DevicePort dock mode for controlled Ethernet connection
  - Daisy chain support up to 4 units
  - Expansion capability up to 12 serial and 3 parallel ports
  - Sunix DPL2000Q chipset for stable performance
  - USB powered operation for flexible installation
  - Advanced ESD protection up to 15KV air discharge
  - Auto detect and intelligent port mapping

What's in the Box

- Sunix DPKM21H00 DevicePort Ethernet adapter 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                 |
| Signal               | DCD, TxD, RxD, RTS, CTS, DTR, DSR, GND, RI |

## ComX Computers

### Product Specification Sheet

|                                      |                                                    |
|--------------------------------------|----------------------------------------------------|
| <b>Protection</b>                    | +/-15KV ESD IEC-61000-4-2 Air Discharge            |
|                                      | +/-8KV ESD IEC61000-4-2 Contact Discharge          |
|                                      | +/-4KV ESD IEC61000-4-2 Level2 Line-to-Line        |
| <b>Baud rate</b>                     | 50bps ~115.2Kbps                                   |
| <b>Stop bit</b>                      | 1, 1.5, 2                                          |
| <b>Parity</b>                        | even, odd, none, mark, space                       |
| <b>Flow Control</b>                  | Xon/Xoff (software)                                |
| <b>Connector</b>                     | DB9 Male                                           |
| <b>Parallel Communication</b>        |                                                    |
| <b>Interface</b>                     | IEEE1284 Printer Support(*Note 3)                  |
| <b>No. of Port</b>                   | 1-port                                             |
| <b>FIFO</b>                          | 1Kbyte Hardware / per port                         |
| <b>Speed</b>                         | Maximum 2.7MBps                                    |
| <b>PCB Connector</b>                 | DB25 Female                                        |
| <b>Ethernet Communication</b>        |                                                    |
| <b>Number of Ports</b>               | 2-port (*Note 1)                                   |
|                                      | Upstream to Ethernet Switch                        |
|                                      | Downstream to PC Host                              |
| <b>Speed</b>                         | 10/100 Mbps, auto MDI/MDIX                         |
| <b>Connector</b>                     | RJ45                                               |
| <b>Magnetic Isolation Protection</b> | 1.0K Built-in                                      |
| <b>Power Requirements</b>            |                                                    |
| <b>Input Voltage</b>                 | 5 to 12VDC                                         |
| <b>Power Consumption</b>             | 2.5W @ 5VDC                                        |
| <b>Connector</b>                     | DC-Jack                                            |
| <b>Driver Support</b>                |                                                    |
| <b>Windows Client</b>                | XP (X86) / 7 / 8 / 8.1 / 10 (X86/X64)              |
| <b>Windows Server</b>                | 2003 / 2008 / 2012R2 (X64)                         |
| <b>Regulatory Approvals</b>          |                                                    |
| <b>Hardware</b>                      | CE, FCC, VCCI, BSMI                                |
| <b>Software</b>                      | Microsoft WHQL Windows                             |
|                                      | Microsoft Client: XP (X86) / 7 / 8 / 8.1 (X86/X64) |
|                                      | Microsoft Server: 2003/2008/2012R2 (X64)           |
| <b>Environment</b>                   |                                                    |
| <b>Operation Temperature</b>         | 0 to 45degreesC (32 to 113degreesF)                |
| <b>Operation Humidity</b>            | 5 to 95% RH (non-condensing)                       |
| <b>Storage Temperature</b>           | -20 to 85degreesC (-4 to 185degreesF)              |

## ComX Computers

Product Specification Sheet

| Physical Characteristics |                                       |
|--------------------------|---------------------------------------|
| Housing                  | ABS, PC, Metal                        |
| Weight                   | 150g                                  |
| Dimensions               | 190x119.58x27(mm), 7.5x4.8x1.0 (inch) |

## FAQ

### What is the Sunix DPKM21H00 used for?

This device is used to extend serial and parallel ports over Ethernet networks, allowing legacy industrial equipment to connect to modern systems.

### Does it support multiple devices?

Yes, it supports daisy chaining of up to 4 units, enabling expansion to multiple serial and parallel connections.

### Is it suitable for industrial environments?

Yes, it includes high level ESD protection and stable chipset design for industrial and commercial use.

### How is it powered?

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

### Does it require direct router connection?

No, DevicePort dock mode ensures the connection is limited to a dedicated PC and not directly exposed to routers or switches.

## Product Information Online

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

**Product page:** <https://www.comx.co.za/AC-SiDPKM21H00-Sunix-DPKM21H00-DevicePort-Dock-Mode-Buy-p-89159.php>

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