

# SLAN

## SL-D0200 / D0100

2/1 ports RS-422/485  
Serial Device Server



### Features



- Supports 2 / 1 independent RS-422 or RS-485 serial ports
- SUNIX SUN8989 SOC design for high efficiency and reliability
- Maximum throughput up to 1Mbps shared by each serial port
- Easy setup and configuration with user-friendly Windows SLAN Utility
- Ideal networking current serial devices with existing software or API
- Supports TCP Server, TCP Client, UDP and Real COM mode
- Built-in external Power 12~48VDC terminal block and 12VDC Jack
- 2KV ESD Surge protection for all serial signals
- SUNIX ARSC™ technology for RS-485 2 or 4 wire signal direction control
- RS-422 and RS-485 Auto Detect and Switch technology

### Overview

SUNIX SL-D0200/D0100 serial device server provides 10/100Base Ethernet network connection to asynchronous RS-422/485 serial ports for serial device communication. With the SL-D0200/D0100, user can install and use the SLAN unit as standard serial

ports for their application needs. It provides a quick, simple and cost effective way to bring the advantages of data accessibility and remote management to equipment not currently connected to a network.

### Specifications

#### Serial Communication

<b>Interface</b>	RS-422 and RS-485
<b>Controller</b>	SUNIX SUN8989
<b>No. of Port</b>	2 ports
<b>Port Type</b>	DB9 Male
<b>RS-485 Signal Control</b>	SUNIX ARSC™ technology
<b>Select RS-422 or RS-485</b>	RS-422/485 Auto Detect & Switch
<b>RS-422 Signal</b>	TxD+/-, RxD+/-, RTS+/-, CTS+/-, GND
<b>RS-485 Signal</b>	Data+/-, RTS+/-, CTS+/-, GND
<b>Throughput</b>	1 Mbps shared by each serial port
<b>Baud rate</b>	300bps ~ 921.6 Kbps
<b>Data bit</b>	5,6,7,8
<b>Stop bit</b>	1,1.5,2
<b>Parity</b>	even, odd, none, mark, space
<b>Flow Control</b>	None, Xon/Xoff, Hardware
<b>Protection</b>	2KV ESD protection for all signal

#### LAN

<b>Ethernet</b>	10/100 Mbps, Auto-select 10BaseT or 100BaseTX
<b>Connector</b>	RJ45
<b>Protection</b>	1.5KV Magnetic Isolation

#### LED Indicate

<b>S1</b>	LED steady for port 1 transmission
<b>S2</b>	LED steady for port 2 transmission
<b>FDX</b>	LED steady when full-duplex transmission
<b>Speed</b>	LED steady lit when in 100M mode
<b>Power</b>	LED steady when power on

#### Power

<b>Input Power</b>	12~48 VDC External Power, Terminal Block & DC Jack type (Redundant Power Input)
<b>Protection</b>	Terminal Block Type (Protects against V+ & V- reverse)

#### Power Consumption

300mA (at 12V level)

## Software

<b>Protocols</b>	ICMP, IP, TCP, UDP and DHCP
<b>Utility</b>	SLAN Utility for Microsoft Windows O.S. Windows 98SE/ME/2000/XP/2003
<b>Real COM / TTY</b>	Windows 98SE/ME/2000/XP/2003, Linux 2.4.X and Linux 2.6.X Kernels (Redhat8/9, Fedora Core 2.0, SUSE9.2)
<b>Configuration</b>	SLAN Utility, Serial Console

## Dimensions

<b>Dimensions</b>	144 x 90 x 30 mm (with Mounting Kit)
<b>(W x D x H)</b>	120 x 90 x 25 mm

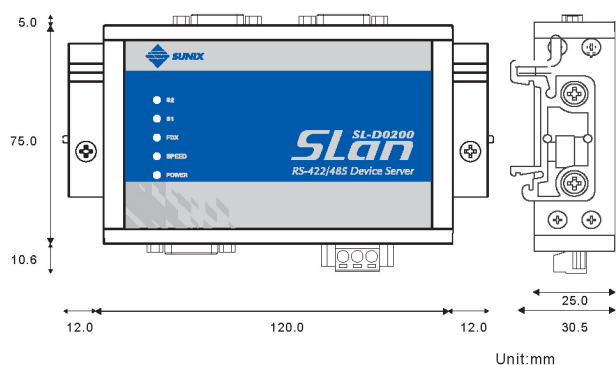
## Regulatory Approvals

<b>Regulatory Approvals</b>	CE, FCC
-----------------------------	---------

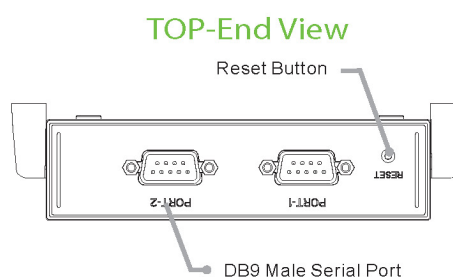
## Operation Environment

<b>Operation Temperature</b>	0 to 60 °C
<b>Operation Humidity</b>	5 to 95% RH
<b>Storage Temperature</b>	-20°C to 85°C

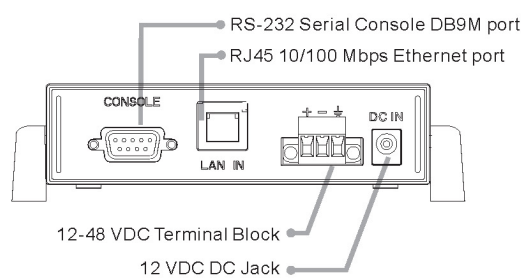
## Dimensions



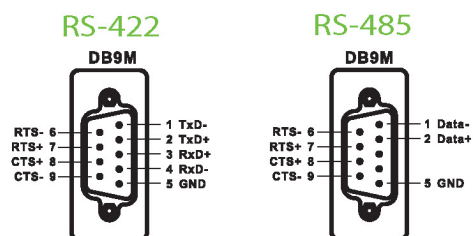
## Appearance



## Bottom-End View



## Pin Assignment



## Order Information

SL-D0200	2 ports RS-422/485 SLAN
SL-D0200D	2 ports RS-422/485 SLAN without 12~48V power input
SL-D0100	1 port RS-422/485 SLAN
SL-D0100D	1 port RS-422/485 SLAN without 12~48V power input

## Packing List

1. Multi-port Serial over Ethernet Device Server
2. SLAN User's Manual and Software CD ROM
3. Quick Installation Guide
4. Console Cable
5. 12V / 1A Power Adapter  
(SL-D0200D, SL-D0100D only)

## Optional Accessories

1. Power Adapter 12V / 1A,
2. Wall Mount Kit
3. DIN-Rail Mount Kit
4. Rubber foot stub / Screw

