SLAN PRO
SLP-D3200 / D1600 / D0800

32/16/8 ports RS-422/485
Rackmount Serial Device Server

Features

- **1U Height 19-inch Rack Mount Design**
- **Supports 32/16/8 independent RS-422/485 serial ports**
- **SUNIX SUN8899 32-bit SOC design for high efficiency and reliability**
- **Maximum throughput up to 1Mbps for each serial port at full load**
- **Ideal networking current serial devices with existing software or API**
- **Easy setup and configuration with user-friendly Windows SLAN Utility**
- **User friendly LCM, keypad, and LED design easy for configuration**
- **Built-in 15KV ESD Surge protection for all serial signals**
- **Supports TCP Server, TCP Client, UDP and Real COM mode**
- **Supports Web, Telnet, and serial console for configuration**
- **RS-422 and RS-485 Auto Detect and Switch technology**
- **Optional 2.5KV optical isolation and 400W surge protection**

Overview

SUNIX SLAN Professional D series provides 10/100Base Ethernet to asynchronous RS-422 or RS-485 serial port for serial device communication. It supports up to 31 RS-485 (2-wire or 4 wire) devices or up to 9 RS-422 (4-wire) devices can be connected via Ethernet with just one of serial ports. User can use SLAN Utility, Web, Telnet, and serial console to configure each serial port for either RS-422 or RS-485. It provides a cost-effective way to bring the advantages of data accessibility and remote management to protect their current hardware investment and ensure future network expandability.

SUNIX SLAN PRO rack mount device server is designed to fit in the standard 1U height 19 inch rack space. With its convenient AC power switch, user friendly LCM display panel, selection button, and clear LED indicators, the SLAN PRO rack mount device server provides easy maintenance, efficient administration, and simplifying operation in an optimized package for many automated applications. Users can centralize serial devices and distribute the management hosts at the same time.
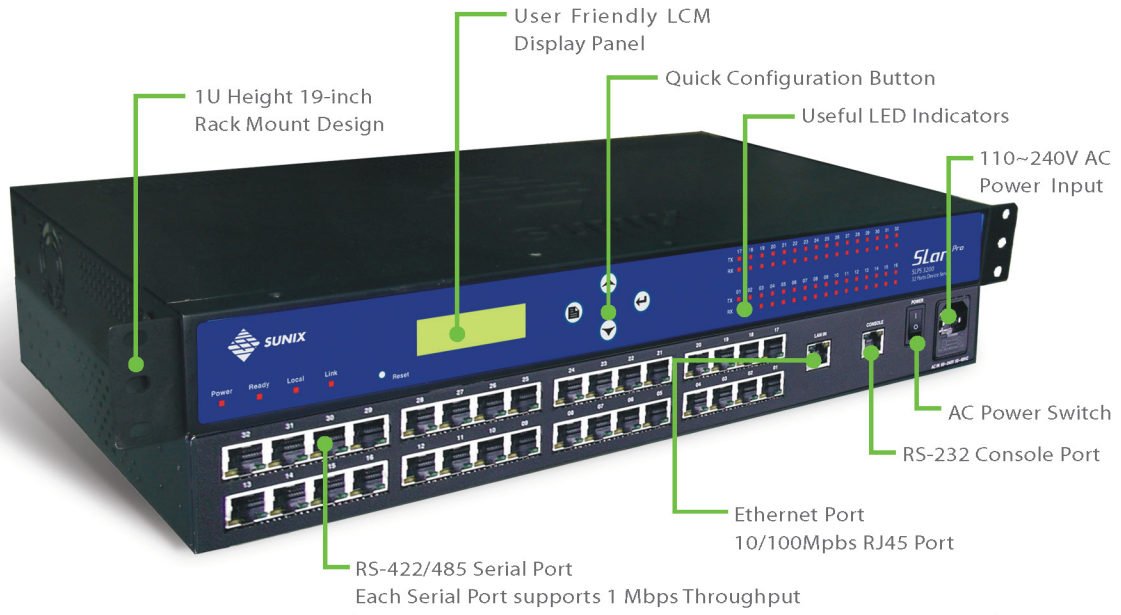
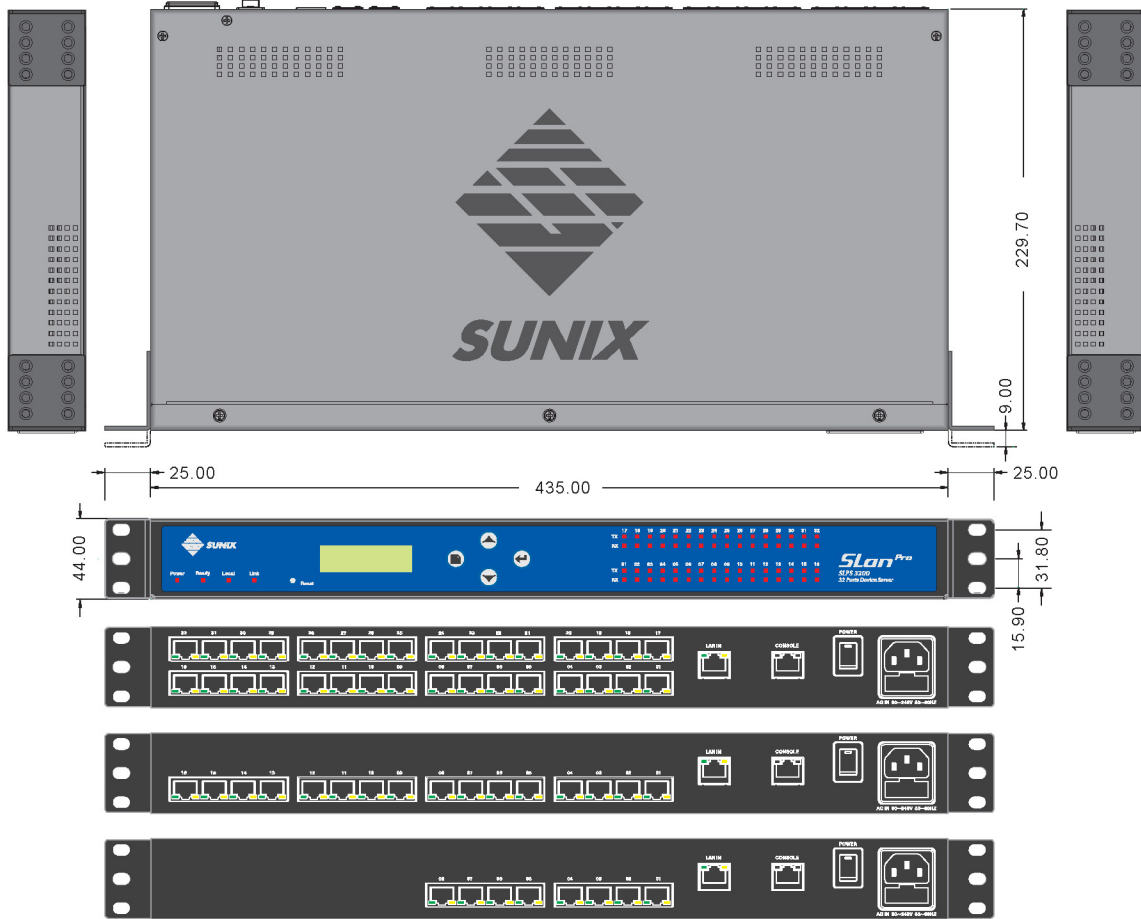## Typical Application

Big Dome Rooftop Control

Display Automation

Traffic Managment

Appearance

User Friendly LCM
Display Panel

Quick Configuration Button

Useful LED Indicators

1U Height 19-inch
Rack Mount Design

110~240V AC
Power Input

AC Power Switch

RS-232 Console Port

Ethernet Port
10/100Mpbs RJ45 Port

RS-422/485 Serial Port
Each Serial Port supports 1 Mbps Throughput

Max Baud Rate \ Port	1-Port	4-Port	8-Port	16-Port	32-Port
SUNIX SLAN PRO	921.6K	921.6K	921.6K	921.6K	460.8K

Dimensions

229.70

9.00

25.00   435.00   25.00

44.00   31.80   15.90

Specifications

Serial Communication

Interface	RS-422/485
Controller	SUNIX SUN8899 & SUN8989
No. of Port	SLP-D0800: 8-port
	SLP-D1600: 16-port
	SLP-D3200: 32-port
Port Type	8-pin RJ45
RS-422 Signal	TxD+/-, RxD+/-, GND
RS-485 Signal Control	
	SUNIX ARSC™ technology
Select RS-232, RS-422 or RS-485	
	RS-422/485 Auto Detect & Switch
RS-485 Signal	Data+/-, GND
Throughput	SLP-D0800: Maximum 1 Mbps
	SLP-D1600: Maximum 1 Mbps
	SLP-D3200: Maximum 460.8Kbps
	(All ports are operating simultaneously)
Baud rate	300bps ~ 921.6 Kbps
Data bit	5,6,7,8
Stop bit	1,1.5,2
Parity	even, odd, none, mark, space
Flow Control	None, Xon/Xoff
Protection	**Standard**
	15KV ESD protection for all signal
	Optional
	2.5KV Isolation Protection for all signal
	400W Surge Protection for all signal
	*Maximum clamping voltage 16.4V
	*Peak pulse current 24.4 A

LAN

Ethernet	10/100 Mbps,
	Auto-select 10BaseT or 100BaseTX
Connector	RJ45
Protection	2KV Magnetic Isolation

Dimensions

Dimensions	485 x 229 x 44 mm (with Mounting Kit)
(W × D × H)	435 x 229 x 44mm

Software

Protocols	ICMP, IP, TCP, UDP, DHCP, BootP,
	Telnet, DNS, SNMP, HTTP, SMTP, SNTP
Utility	SLAN Utility for Microsoft Windows O.S.
	Windows 98SE/ME/2000/XP/2003
Real COM / TTY	Windows 98SE/ME/2000/XP/2003,
	Linux 2.4.X and Linux 2.6.X Kernels
	(Redhat8/9, Fedora Core 2.0, SUSE9.2)
Configuration	SLAN Utility, Web browser,
	Telnet console, or Serial Console

Power

Input Power Voltage	
	100 to 240 VAC
Power Consumption	
	SLP-D0800: 23W
	SLP-D1600: 35W
	SLP-D3200: 64W

LED Indicate

|	
Power	LED steady lit when power on
Ready	LED steady when SLAN system ready
Locate	LED lit when unit is selected
Link	LED steady when LAN is active
Tx/Rx	LED flashes for each serial port activity

Regulatory Approvals

EMC	FCC CE
Safety	UL, TUV

Operation Environment

Operation Temperature	0 to 60 ℃
Operation Humidity	5 to 95% RH
Storage Temperature	-20℃ to 85℃

Pin Assignment
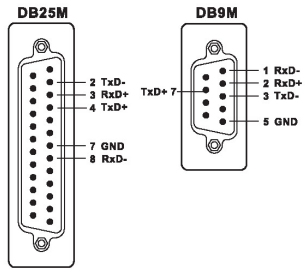
RS-422   RS-485
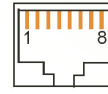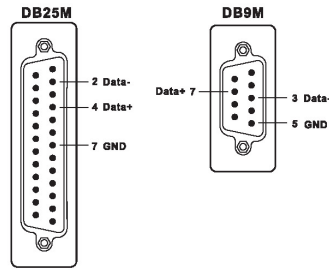
PIN	RS-422	RS-485
1	–	–
2	TxD+	Data+
3	GND	GND
4	TxD-	Data-
5	RxD+	
6	RxD-	
7	–	
8	–	

Order Information

SLP-D0800   8 ports RS-422/485 SLAN PRO
SLP-D0800S   8 ports RS-422/485 SLAN PRO with Surge
SLP-D0800 I   8 ports RS-422/485 SLAN PRO with Isolation
SLP-D0800M   8 ports RS-422/485 SLAN PRO with Surge & Isolation
SLP-D1600   16 ports RS-422/485 SLAN PRO
SLP-D1600S   16 ports RS-422/485 SLAN PRO with Surge
SLP-D1600 I   16 ports RS-422/485 SLAN PRO with Isolation
SLP-D3200M   32 ports RS-422/485 SLAN PRO with Surge & Isolation
SLP-D3200   32 ports RS-422/485 SLAN PRO
SLP-D3200S   32 ports RS-422/485 SLAN PRO with Surge
SLP-D3200 I   32 ports RS-422/485 SLAN PRO with Isolation
SLP-D3200M   32 ports RS-422/485 SLAN PRO with Surge & Isolation

Optional Accessories

1. 8-pin RJ45 to DB9 Male cable, 150cm
2. 8-pin RJ45 to DB9 Female cable, 150cm
3. 8-pin RJ45 to DB25 Male cable, 150cm
4. 8-pin RJ45 to DB25 Female cable, 150cm

Packing List

1. Multi-port Serial over Ethernet Device Server
2. SLAN User's Manual and Software CD ROM
3. Quick Installation Guide
4. L-Shape Bracket
5. Power cord