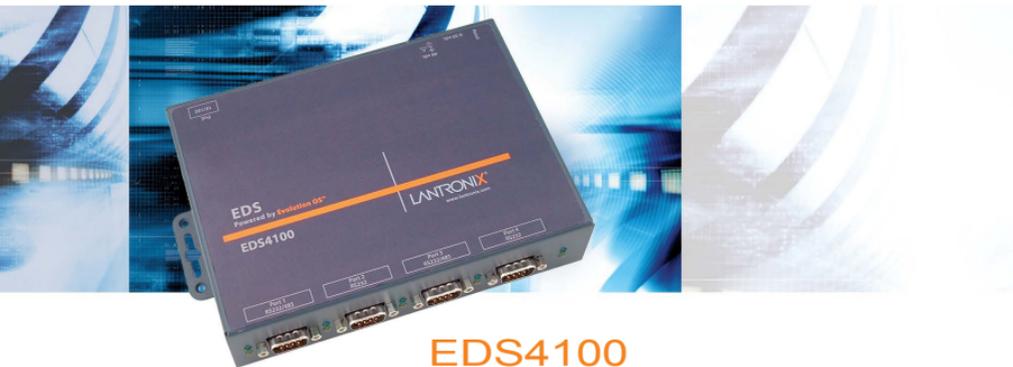




EDS4100



EDS4100 Quick Start Guide



**EDS4100**

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The EDS products allow serial devices to connect and communicate over an Ethernet network. This Quick Start will step you through hardware installation and configuration of your EDS4100.

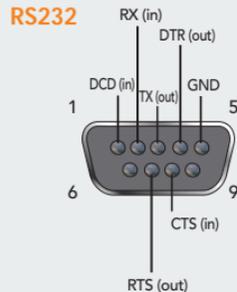
## WHAT'S IN THE BOX

In addition to the EDS, the box contains the following items:

PART #	COMPONENT DESCRIPTION
520-080-R	Power cube, 100-240VAC, with international adapters (depending on model)
500-164	DB9F-DB9F Null Modem Cable
CD-ED-01	CD-ROM containing the User Guide, software utilities, tutorial and Quick Start Guide.

## PINOUTS

The EDS also supports RS485/422. For more pinout information, see the User Guide on the CD or on the Lantronix Web site at [www.lantronix.com](http://www.lantronix.com)

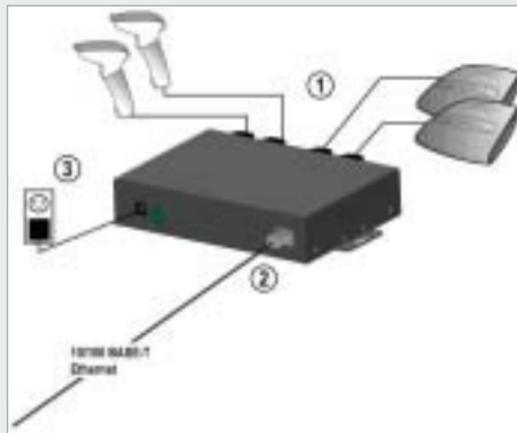


## QUICK CONNECT

Complete the following steps in order. Refer to the numbers in the figure below.

1. Connect a serial device to your unit.
2. Connect an Ethernet cable to the RJ45 port.
3. If not using Power over Ethernet (PoE), supply power to your unit using the power supply that was included in the packaging.
4. Supply power to the serial device.

**Note:** The required input voltage is 9-30 VDC (center +) for the barrel connector or 42-56 VDC for the screw terminal connector (4W maximum power required).



## IP ADDRESSING

Your unit must have a unique IP address on your network. The IP address can be assigned automatically, or you can assign it manually.

### DHCP

Many networks use an automatic method of assigning an IP address called DHCP. If you are unsure whether your network uses DHCP, check with your systems administrator.

The EDS looks for a DHCP server when it first powers up. You can use the DeviceInstaller graphical user interface to search the network for the IP your unit has been assigned by the DHCP server. If the EDS does not acquire an IP, or you do not use DHCP, you must assign a fixed IP address using the serial port of the EDS.

### FIXED IP ADDRESS

In most installations, a fixed IP address is desirable. The systems administrator generally provides the IP address.

The IP address must be within a valid range, unique to your network, and in the same subnet as your PC. You will need the following information before you set up the unit as described in this Quick Start Guide.

IP Address:        \_\_\_\_\_  
Subnet Mask:     \_\_\_\_\_  
Gateway:         \_\_\_\_\_

The following section describes assigning an IP address using DeviceInstaller.

**Note:** For detailed instructions on assigning the IP address using the serial port, please see the User Guide or the EDS Video Tutorial on the CD or the Lantronix web site.

## QUICK SETUP USING DEVICEINSTALLER GUI

### Step 1: Install DeviceInstaller

To use the DeviceInstaller utility, first install it from the product CD.

1. Insert the product CD into your CD-ROM drive.
2. If the CD does not launch automatically:
  - a) Click the **Start** button on the Task Bar and select **Run**.
  - b) Enter your CD drive letter, colon, backslash, **Launch.exe** (e.g., **D:\Launch.exe**).
3. Click the **DeviceInstaller** button.
4. Respond to the installation wizard prompts.  
(When prompted to select an installation type, select **Typical**.)

**Note:** For more information about DeviceInstaller, see the DeviceInstaller online Help.

### Step 2: Obtain the IP address

1. Locate and launch **DeviceInstaller**. If your PC has more than one network adapter, a message displays. Select an adapter and click **OK**.

## USING DEVICEINSTALLER GUI CONTINUED...

**Note:** If the unit already has an IP address (e.g., DHCP has assigned an IP address), click the **Search**  icon and select the unit from the list of Lantronix device servers on the local network.

2. Note the device IP address.

3. Access Web Manager by entering the device IP address in the address bar of a browser. The device's factory default username is "**admin**" and factory default password is the last 8 characters of the Device ID (for devices manufactured after January 1, 2020) or "**PASS**" (for all older devices).

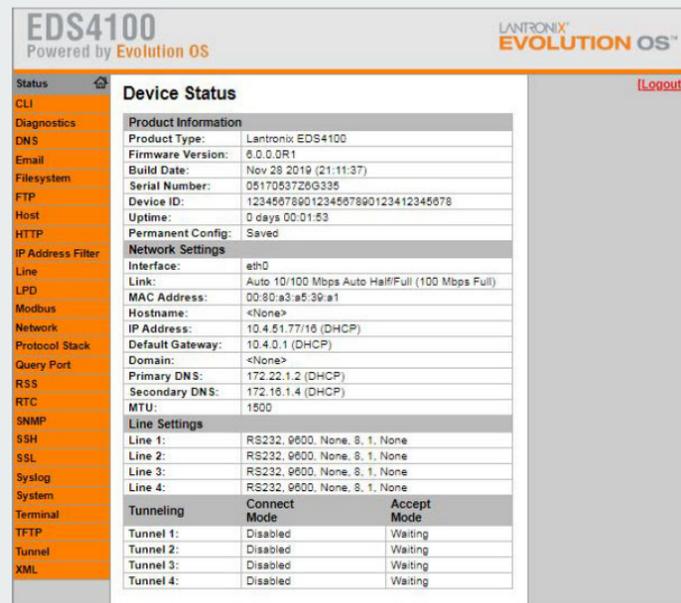
### Step 3: Complete the Configuration

Assign an IP address in the network settings and perform other configuration.

To use Setup Mode (a command line interface), double-click the unit in the list and click the **Telnet Configuration** tab or use a Telnet client.

**Note:** Please see the User Guide for detailed instructions on configuration.

## CONFIGURATION USING WEB MANAGER



EDS4100 Powered by Evolution OS			LANTRONIX EVOLUTION OS™
Status	<b>Device Status</b>		[Logout]
CLI	<b>Product Information</b>		
Diagnostics	Product Type:	Lantronix EDS4100	
DNS	Firmware Version:	6.0.0.0R1	
Email	Build Date:	Nov 28 2019 (21:11:37)	
Filesystem	Serial Number:	05170537280335	
FTP	Device ID:	12345678901234567890123412345678	
Host	Uptime:	0 days 00:01:53	
HTTP	Permanent Config:	Saved	
IP Address Filter	<b>Network Settings</b>		
Line	Interface:	eth0	
LPD	Link:	Auto 10/100 Mbps Auto HalfFull (100 Mbps Full)	
Modbus	MAC Address:	00:90:a3:a5:39:a1	
Network	Hostname:	<None>	
Protocol Stack	IP Address:	10.4.51.77/16 (DHCP)	
Query Port	Default Gateway:	10.4.0.1 (DHCP)	
RSS	Domain:	<None>	
RTC	Primary DNS:	172.22.1.2 (DHCP)	
SNMP	Secondary DNS:	172.16.1.4 (DHCP)	
SSH	MTU:	1500	
SSL	<b>Line Settings</b>		
Syslog	Line 1:	RS232, 9600, None, 8, 1, None	
System	Line 2:	RS232, 9600, None, 8, 1, None	
Terminal	Line 3:	RS232, 9600, None, 8, 1, None	
TFTP	Line 4:	RS232, 9600, None, 8, 1, None	
Tunnel	<b>Tunneling</b>		<b>Connect Mode</b> <b>Accept Mode</b>
XML	Tunnel 1:	Disabled	Waiting
	Tunnel 2:	Disabled	Waiting
	Tunnel 3:	Disabled	Waiting
	Tunnel 4:	Disabled	Waiting

Use the menu to navigate to sub pages where you can configure the EDS.

## LEDS

The unit contains the following LEDs:

- Power
- TX/RX for each serial port
- 10/100 Mb Link
- 10/100 Activity
- Diagnostic

### SERIAL LEDS

### MEANING

10/100 Mb Link steady amber	<b>100 Mb network connection</b>
10/100 Mb Link off	<b>10 Mb network connection</b>
10/100 Activity blinking	<b>Network packets transmitting and receiving</b>
TX Blinking	<b>Serial port is sending data</b>
RX Blinking	<b>Serial port is receiving data</b>
Diagnostic Blinking	<b>OS startup</b>
Diagnostic On	<b>Startup complete</b>

## CONTACT

For questions and technical support, please check our online knowledge base at [www.lantronix.com/support](http://www.lantronix.com/support)

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