LANTRONIX®

E210 Series
Cellular Router
User Guide

Intellectual Property

Warranty

For details on the Lantronix warranty policy, please go to our web site at https://www.lantronix.com/technical-support/warranty/.

Contacts

Lantronix, Inc.
48 Discovery, Suite 250
Irvine, CA 92618, USA
Toll Free: 800-526-8766
Phone: 949-453-3990
Fax: 949-453-3995

Technical Support
Online: www.lantronix.com/technical-support/

Sales Offices
For a current list of our domestic and international sales offices, go to the Lantronix web site at www.lantronix.com/about-us/contact

Disclaimer

Open Source Software

Some applications are Open Source software licensed under the Berkeley Software Distribution (BSD) license, the GNU General Public License (GPL) as published by the Free Software Foundation (FSF), or the Python Software Foundation (PSF) License Agreement for Python 2.7.3 (Python License). Lantronix

grants you no right to receive source code to the Open Source software; however, in some cases, rights and access to source code for certain Open Source software may be available directly from Lantronix' licensors. Your use of each Open Source component or software is subject to the terms of the applicable license. The BSD license is available at http://opensource.org/licenses. The GNU General Public License is available at http://www.gnu.org/licenses/. The Python License is available at http://cmpt165.csil.sfu.ca/Python-Docs/license.html. Your use of each Open Source component or software is subject to the terms of the applicable license.

OPEN SOURCE SOFTWARE IS DISTRIBUTED WITHOUT ANY WARRANTY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SEE THE APPLICABLE LICENSE AGREEMENT FOR ADDITIONAL INFORMATION.

You may request a list of the open source components and the licenses that apply to them. Contact your regional Lantronix sales associate. https://www.lantronix.com/about-us/contact/

Revision History

Date	Rev.	Comments
Sep., 2017	1.0	First release
Oct., 2017	1.1	RAM size and model list
Nov., 2017	1.2	Compatible models
Jun., 2018	1.3	Compatible models
Apr., 2019	1.4	Power consumption, Accessories and LED Status Indicator.
October 2019	A	Initial Lantronix document. Added Lantronix document part number, Lantronix logo, branding, contact information, and links.
February 2021	B	Updated the compatible models, accessories, LED states, reset button behavior, physical installation procedures, default login credentials, and Web Admin console screenshots. Reorganized content and made document enhancements.
November 2021	C	Added statement about power source to section 1, Safety Precautions.
October 2022	D	Updated section 1, Safety Precautions. Updated temperature specification.
December 2024	E	Added sections 3.1 Ordering Information, 3.2 Certifications, and 4 Cellular Replaced Table 3-1 with Products and Descriptions table Added tables 4-3 Cellular Data Rates, and 4-4 Cellular Bands

For the latest revision of this product document, please check our online documentation at www.lantronix.com/support/documentation.

Contents

1 Safety Precautions

1.1 General Precautions

The router generates radio frequency (RF) power. When using the router, care must be taken to ensure safety as well as compliance with all the regulations that surround the use of RF equipment.

Do not use the router in aircraft, hospitals and petrol stations or in places where using GSM, W-CDMA and LTE equipment or any other RF equipment is prohibited, and make sure that the router is not interfering with nearby equipment such as pacemakers or medical equipment.

All antennas of the router should be directed away from computers, office equipment, home appliances, etc., and always keep the router at a minimally safe distance of 26.6cm or more from human bodies.

Do not put the antenna inside metallic boxes or other containers.

1.2 Protecting Your Router

Please install and operate the router with care and complying with the following.

Do not expose the router in extreme conditions such as high humidity/rain, high temperature, direct sunlight, caustic/harsh chemicals, dust, or water.

Do not try to disassemble or modify the router as there is no user serviceable parts inside and the warranty would be voided in the case of tampering.

Do not drop, hit, shake the router in extreme vibrations.

Do not pull the power supply cable. Please attach or detach it by holding the connector after switching off the supply.

Install and connect the router in accordance with this document.

Failure to do so will void the warranty.

The product is intended to be supplied by a UL Listed Power Unit marked "L.P.S." (or "Limited Power Source") and is rated 8-32Vdc, 850mA min., Tma = 70 degree C. For assistance with purchasing the power source, please contact Lantronix Sales.

Caution: ***Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.***

If using a class I adapter, the power cord shall be connected to a socket outlet with earthing connection.

2   About this Guide

2.1 Purpose and Audience

This guide provides the information needed to install the Lantronix E210 series cellular router. It covers hardware features, installation instructions, and network IP configuration information. This document does not cover how to configure your E210 series cellular router.

The information in this document assumes that the reader has working knowledge of networking (Ethernet, LAN), routing, LTE, and GNSS concepts and terminology.

2.2 Additional Documentation

Visit the Lantronix web site at https://www.lantronix.com/support/documentation for the latest documentation and the following additional documentation for this product series.

Document	Description
E210 Series Cellular Router Quick Start Guide	Provides hardware installation instructions, directions to connect the E210 series router, and network IP configuration information.
ePack User Guide for E210 and E220 Series Devices	Provides the information needed to configure and use the ePack software for the Lantronix E210 series and Lantronix E220 series cellular routers.
E210 Series Product Brief	Provides E210 series router product overview information and specifications.

3 E210 Series Compatible Models

3.1 Ordering Information

Part Number	Description
E213F102S	ROUTER, WORDLWIDE; LTE M1; 2G FB; 2x ETHERNET PORT LAN AND WAN/LAN; 1x RS-232 PORT; 1T1R Wi-Fi 4; DUAL SIM; SD CARD; 2x I/O
E214F002S	ROUTER, EMEA, MALAYSIA; LTE CAT-1 BANDS 28, 20, 8, 3, 1, 7; 3G & 2G FB; 2x ETHERNET PORT LAN AND WAN/LAN; 1x RS-232 PORT; 1T1R Wi-Fi 4; DUAL SIM; SD CARD; 2x I/O
E214F00CS	ROUTER, CHINA, INDIA, INDONESIA; LTE CAT-1 BANDS 5, 8, 3, 1; TDD 40, 41; 3G & 2G FB; 2x ETHERNET PORT LAN AND WAN/LAN; 1x RS-232 PORT; 1T1R Wi-Fi 4; DUAL SIM; SD CARD; 2x I/O
E214G000S	ROUTER, AT&T, T-MOBILE; LTE CAT-1 BANDS 12, 5, 4, 2; 3G FB; 2x ETHERNET PORT LAN AND WAN/LAN; 1x RS-232 PORT; 1T1R Wi-Fi 4; DUAL SIM; SD CARD; 2x I/O; GPS
E214G001S	ROUTER, VERIZON; LTE CAT-1 BANDS 13, 14; 2x ETHERNET PORT LAN AND WAN/LAN; 1x RS-232 PORT; 1T1R Wi-Fi 4; DUAL SIM; SD CARD; 2x I/O; GPS
E218F004S	ROUTER, ANZ, BRAZIL, THAILAND, MALAYSIA, SINGAPORE; LTE CAT-4 BANDS 28, 5, 8, 3, 1; 3G & 2G FB; 2x ETHERNET PORT LAN AND WAN/LAN; 1x RS-232 PORT; 1T1R Wi-Fi 4; DUAL SIM; SD CARD; 2x I/O; GPS
E218G107S	ROUTER, JAPAN, SOUTH KOREA; LTE CAT-4; 2x ETHERNET PORT LAN AND WAN/LAN; 1x RS-232 PORT; 1T1R Wi-Fi 4; DUAL SIM; SD CARD; 2x I/O; GPS

Table 3-1: Part Numbers and Descriptions

3.2 Certifications

- E213: UL, CB, FCC, PTCRB, IC, CE, UKCA, RCM, VERIZON, and AT&T

- E214: CE, SIRIM, FCC, PTCRB, IC, VERIZON, and AT&T

- E218: NBTC and JTELEC

4   Product Features

4.1   General Specification

Component	Specification
Casing	Brushed aluminium alloy
Dimensions	92.5 x 57.2 x 22.5 mm (without connectors)
Weight	150 g (approx.)
Operating temperature	-20 °C ~ +70 °C; up to 95 % R.H.
Storage temperature	-40 °C ~ +85 °C; up to 95 % R.H.
Flash memory (SPI)	32 MB
RAM (DDR2 SD-RAM):	128 MB
Ethernet	10/100BASE-T
Wi-Fi	IEEE 802.11b/g//n 2.4 GHz
GPS	IZat™ gen. 8C gpsOne

Table 4-1: General Specification

4.2   Power Consumption (mA)

Device State	8V	12V	32V
E213			
Idle (WLAN, LAN, Wi-Fi, RS-232 & TF card disconnected, cellular module off)	165	110	43
Stand-by (WLAN, LAN, Wi-Fi, RS-232 & TF card disconnected, cellular module idle)	265	171	65
Stand-by (WLAN, LAN, Wi-Fi, RS-232 & TF card connected, cellular module idle)	356	235	91
GPRS (2Tx,3Rx)@900/850MHz (PCL=5)	530	356	135
LTE in communication mode (Tx max.)	420	283	108
E214#358S#158			
Idle (WLAN, LAN, Wi-Fi, RS-232 & TF card disconnected, cellular module off)	118	79	30
Stand-by (WLAN, LAN, Wi-Fi, RS-232 & TF card disconnected, cellular module idle)	145	99	38
Stand-by (WLAN, LAN, Wi-Fi, RS-232 & TF card connected, cellular module idle)	270	187	73
W-CDMA in communication mode (Tx max.)	575	386	146
LTE in communication mode (Tx max.)	695	471	179
E214G#00			
Idle (WLAN, LAN, Wi-Fi, RS-232 & TF card disconnected, cellular module off)	137	90	34

Device State	8V	12V	32V
Stand-by (WLAN, LAN, Wi-Fi, RS-232 & TF card disconnected, cellular module idle)	195	135	51
Stand-by (WLAN, LAN, Wi-Fi, RS-232 & TF card connected, cellular module idle)	290	203	82
W-CDMA in communication mode (Tx max.)	650	445	170
LTE in communication mode (Tx max.)	730	495	193
<u>E215#02</u>			
Idle (WLAN, LAN, Wi-Fi, RS-232 & TF card disconnected, cellular module off)	120	80	29
Stand-by (WLAN, LAN, Wi-Fi, RS-232 & TF card disconnected, cellular module idle)	143	98	37
Stand-by (WLAN, LAN, Wi-Fi, RS-232 & TF card connected, cellular module idle)	265	185	72
GSM in communication mode (PCL=5)	380	252	98
GPRS (2Tx,3Rx)@900/850MHz (PCL=5)	450	307	115
W-CDMA in communication mode (Tx max.)	685	456	173
<u>E218#04</u>			
Idle (WLAN, LAN, Wi-Fi, RS-232 & TF card disconnected, cellular module off)	163	109	42
Stand-by (WLAN, LAN, Wi-Fi, RS-232 & TF card disconnected, cellular module idle)	250	165	61
Stand-by (WLAN, LAN, Wi-Fi, RS-232 & TF card connected, cellular module idle)	335	225	86
GSM in communication mode (PCL=5)	450	305	115
GPRS (2Tx,3Rx)@900/850MHz (PCL=5)	600	412	158
W-CDMA in communication mode (Tx max.)	740	491	192
LTE in communication mode (Tx max.)	690	465	177
<u>E218G#04</u>			
Idle (WLAN, LAN, Wi-Fi, RS-232 & TF card disconnected, cellular module off)	163	109	42
Stand-by (WLAN, LAN, Wi-Fi, RS-232 & TF card disconnected, cellular module idle)	261	173	64
Stand-by (WLAN, LAN, Wi-Fi, RS-232 & TF card connected, cellular module idle)	346	232	89
GSM in communication mode (PCL=5)	461	313	118
GPRS (2Tx,3Rx)@900/850MHz (PCL=5)	611	420	161
W-CDMA in communication mode (Tx max.)	751	499	195
LTE in communication mode (Tx max.)	701	473	180

Table 4-2: Power Consumption (mA)

4.3 Back Panel Connections
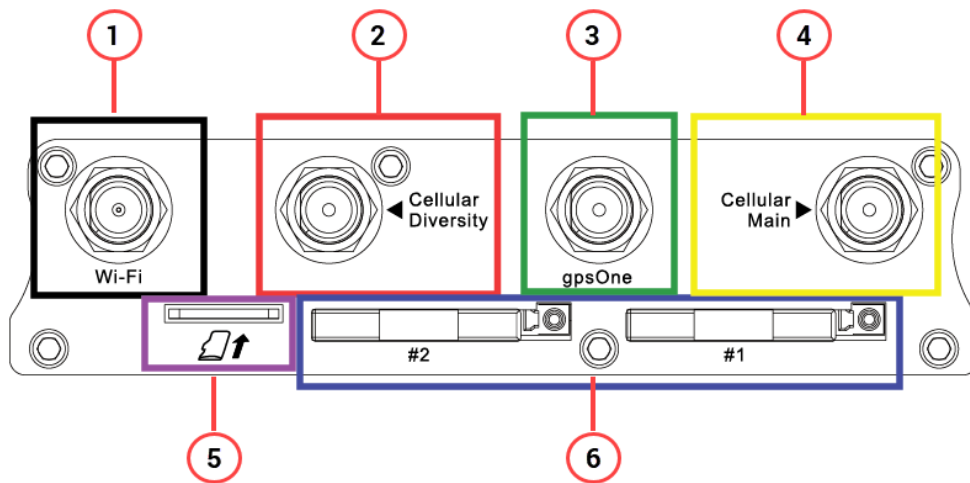
Figure 4-1: Back Panel Connections

1	Wi-Fi antenna, RP SMA connector
2	Cellular diversity antenna, SMA connector
3	GPS antenna, SMA connector
4	Cellular main antenna, SMA connector
5	MicroSD-XD card slot
6	Dual SIM slots, Left: SIM2, Right: SIM1

Note: *Depending on the device model, the number of antenna connectors may vary.*
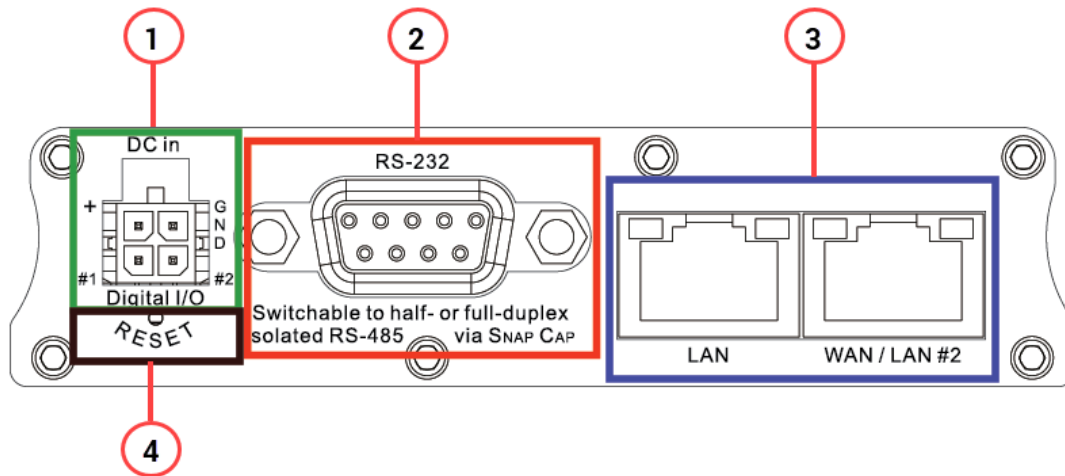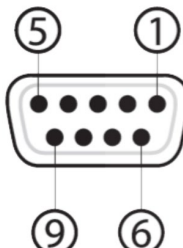
4.4 Front Panel Connections

Figure 4-2: Front Panel Connections

1	DC Power 4-pin Microfit 3.0 connector
	
	   Top L/R: 8V ~ 32Vdc
	
	   Bottom L/R: Two digital I/Os
	
	Digital Input: 0~1Vdc as low
	
	                 1~36Vdc as high
	
	Digital Output: Open collector,
	
	             100 mA@36Vdc max

2	RS-232 1. DCD 2. Rx 3. Tx 4. DTR 5. Ground 6. DSR 7. RTS 8. CTS 9. RI

3	Ethernet ports
	   Left: LAN
	   Right: WAN or set as 2nd LAN

4	Reset button – Reset the router back to default settings. **Factory reset** – Press and hold the reset button for more than 5 seconds. **Reboot** – Press and hold the reset button for more than one second but less than 5 seconds ***Note***: *For any pressed or released event to be detected the duration of the press/release event must be at least 200ms.*

4.5 LED Status Indicators

The E210 operation status is indicated by seven LEDs as shown in the figure and table below.

Figure 4-3: LED Status Indicators

Name	Color and Status	Description
Wi-Fi	**OFF**	Wi-Fi network is inactive
	Blue ON	Wi-Fi network is activated
	Blue Flashing	Wi-Fi network data transferring
Activity	**OFF**	Cellular data service not connected
	Amber ON	Cellular data service connected
	Amber Flashing	Cellular data transferring
Network	**OFF**	Not registered on cellular network
	Amber ON	Registered on cellular network (home)
	Amber Flashing	Registered on cellular network (roaming)
Signal	**OFF**	No signal (CSQ=0 to 5, 97, 98, 99)
	Amber Flashing	Weak signal (CSQ > 6 to 12)
	Amber ON	Strong signal (CSQ > 12)
SIM in use	**Blue ON**	SIM 1
	Flashing	SIM 2
Power	**OFF**	Power off
	Green ON	Power on
Alert	**OFF**	No alert
	Red Flashing	Cellular module reboot, kernel rebooting
	Red ON	Hardware fault

4.6 Cellular

Cellular Type	Uplink/Downlink Maximum Data Rate
2G	236.8/296 kbps
3G	5.76/42.2 Mbps
LTE-M1 [NB1]	375/300 [62.5/27.2] kbps
LTE-M2 [NB2]	1000/600 [140/120] kbps
LTE Cat 1	FDD: 5/10 Mbps TDD: 3.1/8.96 Mbps
LTE Cat 4	FDD: 5/150 Mbps TDD: 35/130 Mbps

Table 4-3: Cellular Data Rates

Part Number	Cellular Type	Bands	Fallback Mode	Bands
E213F102S	LTE-M1	12/28/13/20/27/26/8/3/66/25/1	2G	5/8/3/2
E214F002S	LTE Cat 1	28/20/8/3/1/7	3G; 2G	8/1; 8/3
E214F00CS	LTE Cat 1	5/8/3/1; TDD 40/41	3G; 2G	8/1; 8/3
E214G000S	LTE Cat 1	12/5/4/2	3G	5/4/2
E214G001S	LTE Cat 1	13/4	N/A	N/A
E218F004S	LTE Cat 4	28/5/8/3/1/7	3G; 2G	5/8/1; 8/3
E218G107S	LTE Cat 4	1/3/5/7/8/18/19/21	N/A	N/A

Table 4-4: Cellular Bands

5 Installation

5.1 Package Contents

- E210 Series Cellular Router
- E210 Series Quick Start Guide

5.2 User Supplied Items

- SIM cards (activated by mobile network operator)
- Power supply and adapters
- Wi-Fi antenna
- Cellular/GPS antenna
- Ethernet CAT5 cable to connect the router to the network

Please see *Accessories* for compatible Lantronix cables, adapters, and antennas.

5.3 Optional Add-on

- SNAP CAP™ RS-485 – to convert E210 series router's RS-232 port to half-duplex or full-duplex RS-485 port

Please consult the SNAP CAP™ RS-485 Datasheet for more details about this add-on.

5.4 Accessories

Lantronix accessories for use with the E210 series router are listed in the table below.

Lantronix accessories are available individually or as accessory bundles. Additional accessories for certain geographic locations are available. For ordering information, please refer to the E210 Series product web page or contact Lantronix Sales.

Lantronix Part #	E210 Model	Description
Power Supply/Cable/Adapters		
P24E0	Europe	POWER SUPPLY, 4-PIN MICROFIT 1.2 A POWER ADAPTER, WITH EURO PLUG AC CABLE
P24E1	Japan	POWER SUPPLY, 4-PIN MICROFIT 1.2 A POWER ADAPTER, WITH JAPAN PLUG AC CABLE WITH PSE MARK
P24E2	USA	POWER SUPPLY, 4-PIN MICROFIT 1.2 A POWER ADAPTER, WITH USA PLUG AC CABLE
P24E3	AUS/NZ	POWER SUPPLY, 4-PIN MICROFIT 1.2 A POWER ADAPTER, WITH AUSTRALIA & NZ PLUG AC CABLE
P24E4	UK	POWER SUPPLY, 4-PIN MICROFIT 1.2 A POWER ADAPTER, WITH UK/HONG KONG PLUG AC CABLE
KDC42	all models	POWER CABLE, SPARE 4-PIN, W/ POWER FUSE HS
KDC44	all models	POWER CABLE, 1-METER, 4-PIN MICRO FIT 3.0 CONNECTOR, 2.4A FUSE, W/ RED/BLACK/BLUE/WHITE CABLES ***Note:*** KDC44 has two more stripped wires for I/Os

Lantronix Part #	E210 Model	Description
Wi-Fi Antenna		
A21H0	all models	DUAL-BAND 2.4/5.8GHZ DIPOLE ANTENNA FOR ISM & WLAN, HINGED, RP-SMA (M)
A24C0	all models (while supplies last)	2.4/5.8GHZ WLAN ANTENNA, SMA MALE REVERSE
Cellular/GPS Antenna		
A31M0	E215	SINGLE ANTENNA, LTE REMOTE, ADHESIVE, 3-METER RG174 COAX, SMA MALE
A31H0	E215	SINGLE ANTENNA, LTE REMOTE, ADHESIVE, 3-METER COAX, SMA MALE
A14M0	E215G, E213G	TWO IN ONE LTE + GNSS, 2*3-METER RG174 CABLE WITH 3*SMA MALE, ADHESIVE MOUNT
A14H0	E215G, E213G	TWO IN ONE LTE + GNSS, 2*3-METER RG174 CABLE WITH 3*SMA MALE, ADHESIVE MOUNT
A32M0	E214, E218	TWO IN ONE LTE + LTE, 2*3-METER RG174 CABLE, SMA MALE
A32H0	E214, E218	TWO IN ONE LTE + LTE, 2*3-METER CABLE, SMA MALE, ADHESIVE MOUNT
A33M0	E214G, E218G	THREE IN ONE LTE + LTE + GNSS, 2*3-METER RG174 CABLE, SMA MALE
A33H0	E214G, E218G	THREE IN ONE LTE + LTE + GNSS, 2*LTE ANTENNA, 2*3-METER CABLE, SMA MALE, ADHESIVE MOUNT

Table 5-1: Lantronix Accessories

5.5 Preparing to Install

Before installation, please gather the router, documentation, and user-supplied items as needed for your installation.

- One or two activated SIM cards, provided by your mobile network operator

- Ethernet CAT5 cable for LAN network connection

- Wi-Fi and cellular antennas

- Power supply, cable, and adapters

- Personal computer (see below)

See *Accessories* for compatible Lantronix cables, adapters, and antennas.

Ensure that your personal computer is equipped with the following:

- Ethernet port or Wi-Fi connectivity and Internet service

- Web browser such as Internet Explorer 10+ or Google Chrome 30+, Mozilla Firefox 20+ or Apple Safari 4+ to access the Lantronix Web Admin Console

- DHCP client enabled on the computer to obtain a valid IP Address from the router.

5.5.1 Enabling DHCP on Your Personal Computer

To enable DHCP on Windows 8 or 10:

1. To access the active network, go to Start > Control Panel > Network and Internet > Network and Sharing Center. Click the active network connection. The Network Connection Status dialog box appears.

2. From the Network Connection Status dialog, click Properties > select Internet Protocol Version 4 (TCP/IPv4) and click Properties to display the Internet Protocol Version 4 (TCP/IPv4) Properties dialog box.

3. On the General tab, select following options:

    - Obtain an IP address automatically

    - Obtain DNS server address automatically

To enable DHCP on Mac OS:

1. Launch System Preferences, then choose Network.

2. Select Ethernet from the adapters list on the left.

3. Set the Configure IPv4 drop-down to Using DHCP

5.6 Connecting the E210 Router

The steps for connecting the E210 router are:

1. Insert the SIM cards.

2. Connect the cellular and Wi-Fi antennas.

3. Connect the AC power.

4. Connect the router to a computer.

5. Run Quick Setup to configure network settings .

5.6.1 Insert SIM Cards

To insert the SIM card:

1. Eject the SIM tray by pushing the yellow eject button inwards.

2. Pull the SIM tray out from the slot.

3. Place the mini-SIM card on the tray with SIM chip facing up.

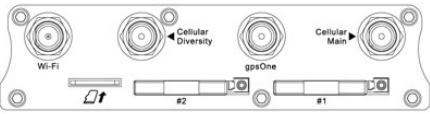4. Insert the tray in place carefully.
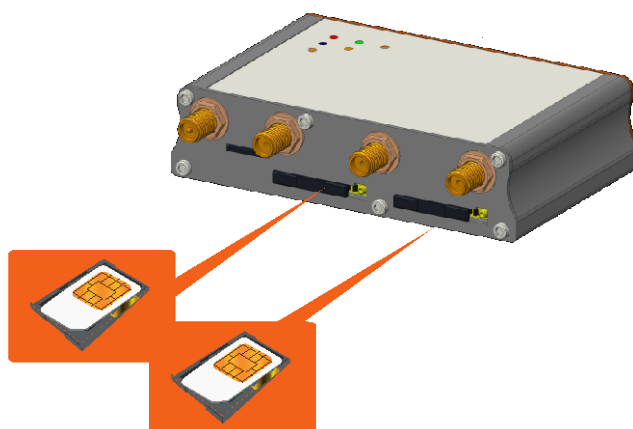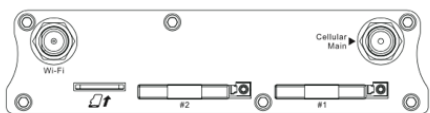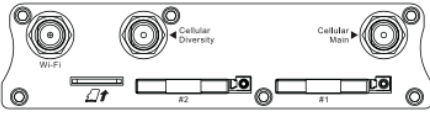
Figure 5-1: Inserting the SIM Card

5.6.2 Connect the Antennas

The table shows the cellular/GPS main and auxiliary antenna options and the cellular/GPS/Wi-Fi antenna connections on the different E210 series models.

Model	Cellular Main	Cellular Auxiliary	Antenna connections
E213 E215	Cellular only	N/A	
E214 E218	Cellular only	Cellular only	
E214G	Cellular only	GPS and cellular	

Table 5-2: Antenna Options for E210 Series

To connect the Wi-Fi/cellular/GPS antenna:

1. Insert the antenna connector into the appropriate antenna connector on the back panel of the router, referring to the image above and the labels printed on the router.

2. Use your fingers to securely tighten (clockwise direction) the antenna connector to the connector on the base unit.

Note: Dual cellular antennas improve data throughput/performance on cellular data transfer rate. Cellular antenna selections are based on frequency bands of cellular network operators in individual countries. For details, refer to E210 Series Compatible Models or contact Lantronix Technical Support.

Figure 5-2: Antenna Connections

5.6.3 Connect the AC Power

To connect the AC power:

1. Connect the AC power to the DC in connector, then connect the Micro-Fit connector to the power input, located on the front panel of the Lantronix Router.

2. Plug the AC cord into a standard AC receptacle as shown below. For connection details, refer to *Section 4.4, Front Panel Connections*.
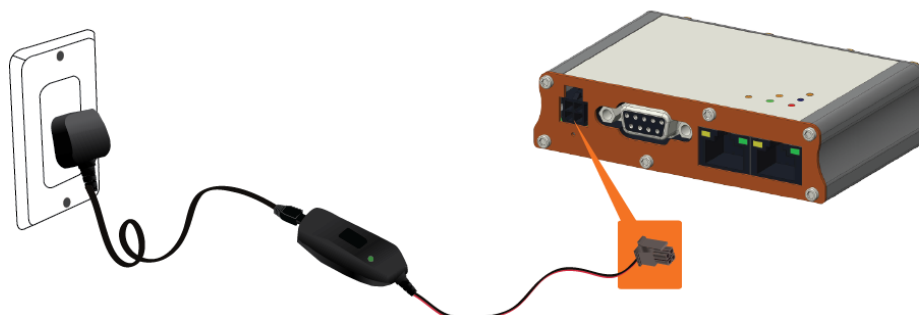
    The power LED will light when power is applied.

Figure 5-3: Connecting the AC Power

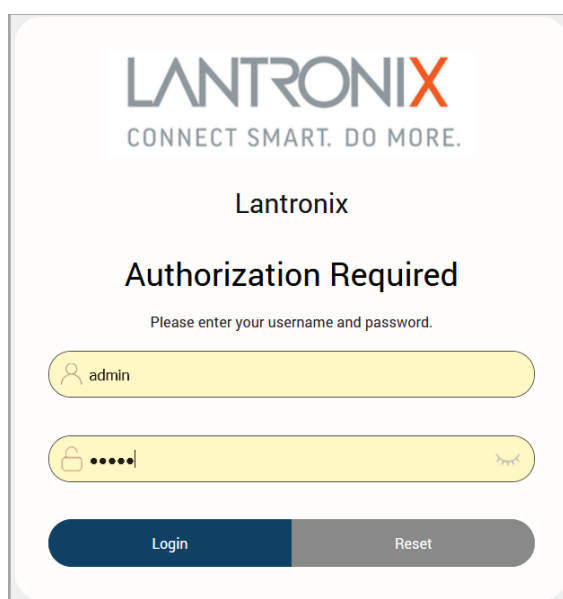### 5.6.4 Connect the Router to a Computer

Connect the router to your computer using the router's Wi-Fi access point or an Ethernet cable and log in to the Web Admin page to verify the LAN connection.

To connect via Wi-Fi:

1. On the PC, connect to the router's Wi-Fi access point. The table below shows the default wireless access point SSID.

Parameter	Details
SSID	Lantronix E21X - for E210 series devices Lantronix E22X - for E220 series devices
WPA/WPA2 TKIP Key	W1rele$$

2. Open the browser to 192.168.1.1. The Web Admin Console log in page is displayed.

Figure 5-4: Web Admin Login Page

3. Log in to the Web Admin console. If the installed ePack firmware is version 2.4.4 and higher, the default factory passwords are:
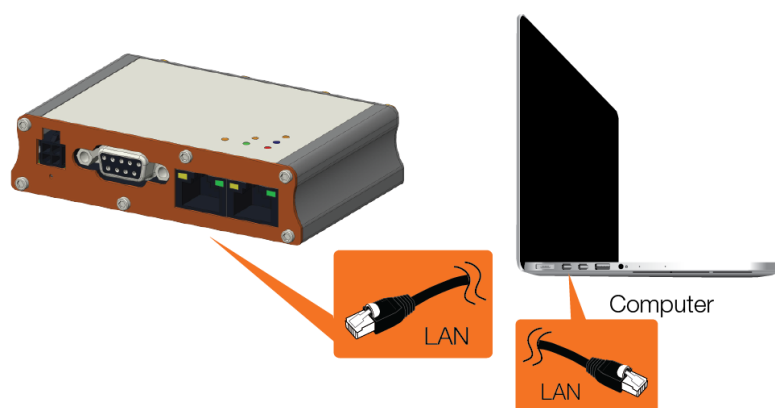
User	Default Password
admin	admin
root	L@ntr0n1x

For password change requirements and for older firmware versions, please see *Default Configuration for Web Admin Page*. We recommend that you set a unique, strong password for the router and store the password in a secure location.

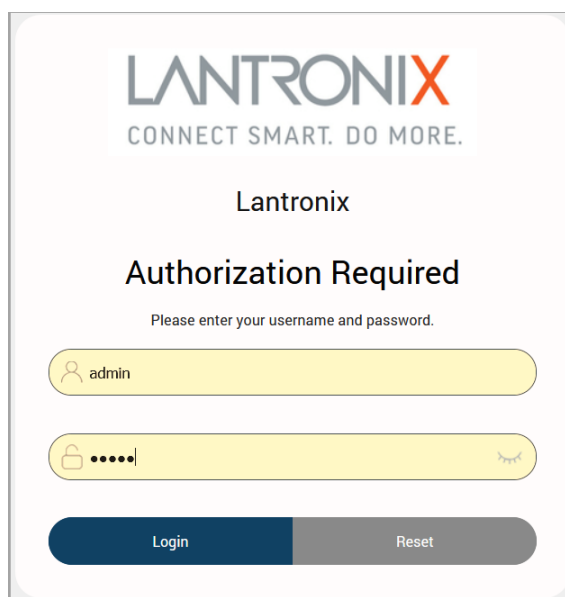4. Next, you are ready to configure the network settings from the Quick Setup page.

To connect via Ethernet:

1. Connect an Ethernet cable between the LAN port on the front panel of the router and the Ethernet port on the computer.

Figure 5-5: Router to Computer LAN Connection

2. Open the browser to 192.168.1.1. The Web Admin Console log in page is displayed.

Figure 5-6: Web Admin Login Page

3. Log in to the Web Admin console. If the installed ePack firmware is version 2.4.4 and higher, the default factory passwords are:

User	Default Password
admin	admin
root	L@ntr0n1x

For password change requirements and for older firmware versions, please see *Default Configuration for Web Admin Page*. We recommend that you set a unique, strong password for the router and store the password in a secure location.

4. Next, you are ready to configure the network settings from the Quick Setup page.

5.6.5 Quick Setup

Quick Setup network configuration helps get the IP network port up and running so that you can configure other router settings. To skip the Quick Setup and directly configure the network settings including advanced settings, go to the Network tab.

For details on software configuration, please refer to the *Lantronix ePack User Guide for E210 and E220 Devices*.

To run quick setup:

1. Log in to the Web Admin page and click **Quick Setup**.

The Quick Setup > Network Setup page is displayed. Basic network parameters for LAN, WAN, Cellular, and Wireless LAN can be configured from the Network Setup page.

Figure 5-7: Quick Setup

2. Modify the LAN, WAN, Cellular, and Wi-Fi network settings as necessary.

3. Click **Save & Apply** to store the configuration.

Notes:
In Cellular, all fields such as APN depend on SIM cards provider/cellular network operator, enquire with them for authentication credentials if needed.
After storing the network configuration, the cellular connection should be established within one minute, provided there is adequate signal reception (if the default setting is used.

4. To see the status of the network connections, click **Status** and view the Overview page.

5.6.6   Default Configuration

All usernames and passwords are case sensitive.

5.6.6.1   Default Configuration for Web Admin Page

If the installed ePack firmware is version 2.4.4 and higher, the default factory passwords are:

User	Default Password
admin	admin
root	L@ntr0n1x

Table 5-3: Default Web Admin Page Credentials

Note: ePack firmware versions 2.4.4 and above require you to change the factory default passwords before any other router configuration can be done. Both the admin and root passwords must be changed.

If the installed ePack firmware is older than version 2.4.4, the default factory passwords are:

User	Default Password
admin	admin
root	M@estroW1rele$$

Table 5-4: Default Web Admin Page Credentials

Note: Username and password are both case sensitive.

5.6.6.2   Wireless Access Point SSID

The wireless access point SSID may be configured in the Web Admin console.

Parameter	Details
SSID	Lantronix E21X - for E210 series devices Lantronix E22X - for E220 series devices
WPA/WPA2 TKIP Key	W1rele$$

Table 5-5: Default Wi-Fi Credentials

5.6.6.3   Default Interface Configuration

Interface	Details
WAN (Ethernet)	Automatic (DHCP client) Priority source of Internet with Cellular backup
LAN (Ethernet)	Active DHCP with starting IP address 192.168.1.100 with pool of 100 clients.
Cellular	No PAP/CHAP authentication
Wireless (LAN)	Wi-Fi enabled as access point with SSID "Lantronix E21X" or "Lantronix E22X"

Table 5-6: Default Interface Configuration

5.6.7 SNAP CAP™ RS-485

SNAP CAP™ RS-485 connects to the E210 series router's RS-232 port and converts it to half-duplex or full-duplex RS-485 port. The duplex setting is configured by a switch on the side of the SNAP CAP RS-485. The port parameters are configured in the software (ePack).
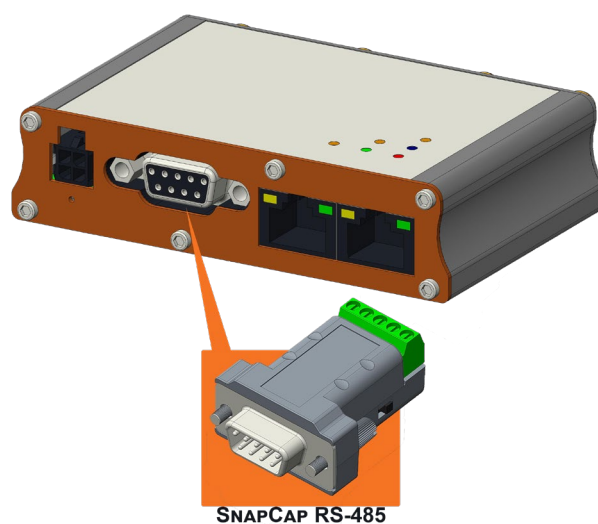
Please consult the *SNAP CAP™ RS-485 Datasheet* for more details.

Figure 5-8: Connecting the SNAP CAP RS-485