LiveAction

LiveWire Edge 1515

Quick Start Guide

20250207-LWE1515_2510a

Contents

LiveWire Edge 1515

What's included

Your standard LiveWire Edge 1515 package includes:

- LiveWire Edge 1515 appliance
- Pre-loaded, tested, and fully integrated LiveNX software
- Web-based configuration
- One power adapter
- Rack mount kit

LiveWire Edge 1515 Technical Specifications

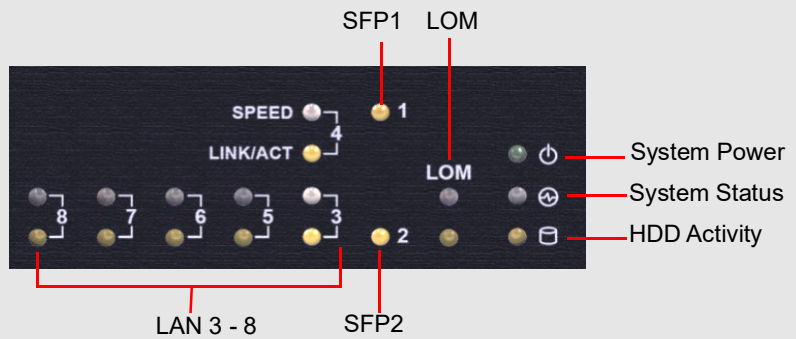| Specification	Description
Base	Lanner NCA-1515A
Base SKU	LWRE-1515-H
Processor	Intel Atom Processor C3758 2.20GHz, 8C/8T
Memory	32G SODIMM DDR4 2400MT/s
Hard Drive	1 x 1 TB 2.5" SSD
Network Adapters	4 x GbE RJ45 Intel® SoC Integrated MAC 2 x GbE RJ45 Intel® i350 2 x GbE SFP Intel® i350
Other Ports	1 x RJ45 Console 1 x RJ45 LOM 2 x USB 2
Fans	1 x Fan
Power Supply	1 x 60W Power Adapter
Power Cords	C13 to NEMA 5-15P, Power Cord, North America
PCIe	2 x Mini-PCIe 1 x M.2 2242 B
Rack Mount Kit	LWRE_1515_RMK

LiveWire Edge 1515 front / back panels

See the illustrations and descriptions of the LiveWire Edge 1515 front and back panel in the sections below.

Front panel

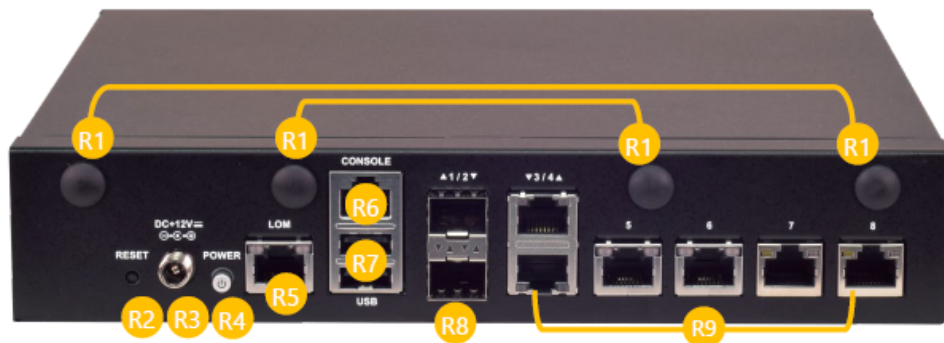| No.	Item	Description
F1	SIM Card Slot	SIM card slot cover (optional)
F2	LED Indicator	Front panel LEDs. See also 'LED Indicators' on page 7.
F3	Antenna Port	SMA connector for the Wi-FI (optional)

Back panel

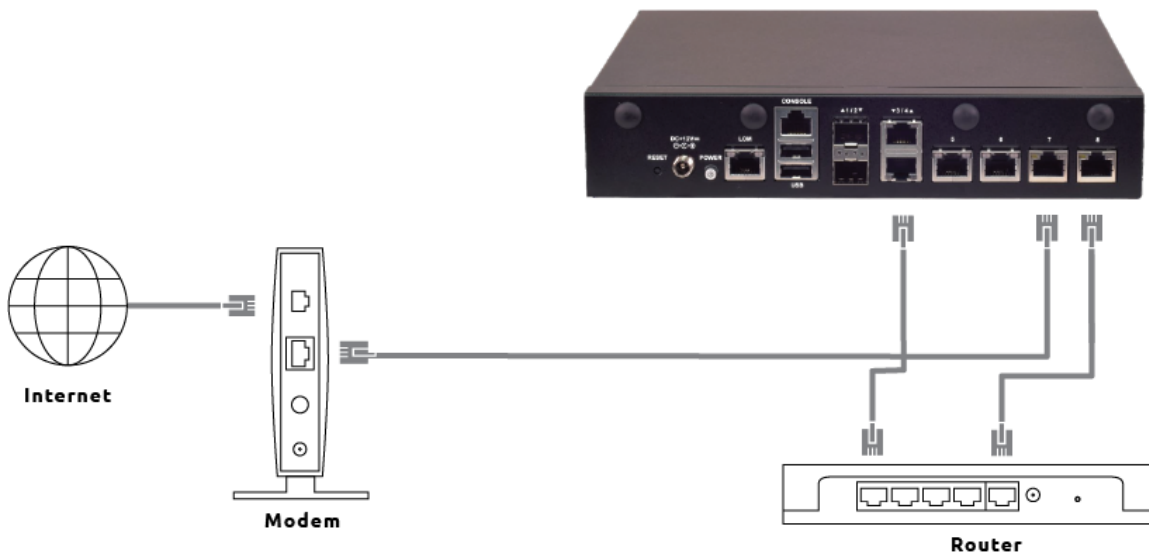| No.	Item	Description
R1	Antenna Port	Port for optional antenna.
R2	Reset Button	Press to perform a reset
R3	DC-Jack	Power supply
R4	Power Button	Press to power on/off the system
R5	LOM Port	1x RJ45 LOM port (optional)
R6	Console Port	1x Gbe RJ45 console port
R7	USB Ports	2x Type A USB 2.0 ports
R8	SFP Ports	2x 1G SFP ports - Port 1 (eth0) - Port 2 (eth1)
R9	GbE Ports	6x GbE RJ45 ports - Port 3 (eth2) - Port 4 (eth3, MGMT) - Port 5 (eth4) - Port 6 (eth5) - Port 7 (eth6, Bridge) - Port 8 (eth7, Bridge)

Installing LiveWire Edge 1515

To install LiveWire Edge:

1. Attach the included rubber feet (4) to the bottom of LiveWire Edge and place LiveWire Edge on a flat surface.

2. Attach the power adapter by screwing in the connector on the adapter to the power-in socket on the back panel.

3. Plug the other end of the power adapter into a reliable power source.

CAUTION! Do not place anything on top of or directly next to LiveWire Edge. Any obstructions to the heat sink located on top of LiveWire Edge can cause the unit to overheat.

4. Connect LiveWire Edge to the network to capture traffic:

   ° From the Bridge ports: To use the Bridge ports, connect LiveWire Edge inline on a network segment. In this mode, connect Port 7 (eth6, Bridge) to the side of the network with the upstream router; and connect Port 8 (eth7, Bridge) to the LAN side of the network.

   ° From the remaining RJ45 span ports: To use the span ports, connect LiveWire Edge directly to a span port from a switch or router.

   ° From the SFP ports: To use the SFP ports, install the 1 Gb SFP optic and connect your fiber cable to a fiber port on switch or packet broker.

5. To configure and use the LiveWire Edge, connect Port 4 (eth3, MGMT) to the network.

Connect to LiveWire Edge via the Console port

The Console port on LiveWire Edge lets you connect to another computer terminal for advanced diagnostics or recovery access using an USB console cable (USB to RJ45) connected from the USB port on your PC/laptop to the Console port of LiveWire Edge.

Using the Console port on LiveWire Edge, a laptop, and a terminal program of your choice, you can log into LiveWire Edge and access the LiveWire command prompt (admin@livewire).

To connect to LiveWire Edge:

1. Connect the Console cable from your laptop to the Console port on LiveWire Edge.

2. Navigate to the Windows Device Manager and determine the COM port assigned to the Console port on LiveWire Edge:

    a. Open the Windows Device Manager.

    b. In the "Ports (COM & LPT)" category, find the matching COM Port #. For example, "COM4" in "Prolific PL2303GC USB Serial COM Port (COM4)."

3. Using any serial terminal program (e.g., HyperTerminal or Putty), establish a connection to LiveWire Edge using the COM Port # identified above. Make sure the appropriate terminal settings match the settings below for LiveWire Edge.

    ◦ Connection Type: [Serial]

    ◦ Serial line: [COM#] (see Step 2 above)

    ◦ Terminal Type: [VT100+]

    ◦ Bits per second: [115200]

    ◦ Data Bits: [8]

    ◦ Parity: [None]

    ◦ Stop Bits: [1]

    ◦ Flow Control: [None]

    ◦ VT-UTF8 Combo Key Support: [Enabled]

    ◦ Recorder Mode: [Disabled]

    ◦ Resolution 100x31: [Enabled]

4. Once a connection to LiveWire Edge has been established, the LiveWire Edge configuration menu appears.

With each configuration change, you are prompted to enter your admin password. The default username and password is:

    username: *admin*

    password: *admin*

LiveNX Integration

To use LiveWire Edge 1515 to export LiveFlow data to a LiveNX server, go to *Captures > + New LiveFlow Capture* in the Omnipeek Web interface, and adjust any configuration settings as needed. You can also specify router mappings to separate segregated traffic from different segments into separate interfaces in LiveNX.

Additionally, in the LiveNX application, when adding a LiveWire Edge 1515 device to LiveNX from the *Add Device* dialog, configure the '*Enter SNMP connection settings for this device*' option as follows:

SNMP Version: **Version 3**
User Name: **admin**
Authentication Protocol: **SHA**
Authentication Password: **Ys2Q5Xxu7g3gUoHxfUFifqiXSXjd2tkc**
Privacy Protocol: **AES 128-bit**
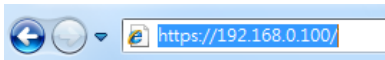Privacy Password: **x3Fmpv9OpIsnk0Qg3rH25BKBd66fxzSK**

Starting / shutting down LiveWire Edge 1515

To start/shutdown LiveWire Edge 1515:

○ Press the power button on the rear panel

○ For remote power off or restart, use the BMC via LOM connection. See *Using BMC Web UI*.

Using BMC Web UI

In the address bar of your Internet browser, input the IP address of the LiveWire Edge 1515 to access the BMC interface.

Initial access of BMC prompts you to enter username and password.

The default username and password is:

username: *admin*

password: *admin*

When you log in using the default username and password, you will get full administrative rights, and it will ask you to change the default password once you log in.

Note (1) If not specified, the default IP to access BMC is *https://192.168.0.100*. (2) Please use https to access Web UI.
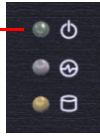
LED Indicators

The status of the LED indicators on the Front Panel are as follows:
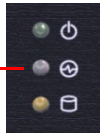
System Power

System Power LED ———————

Solid Green	The system is powered on
Off	The system is powered off

System Status

This System Status LED indicator is programmable. You could program it to display the operating status of the behaviors described below:

System Status LED ———————

Solid Green	Defined by GPIO
Solid Red	Defined by GPIO
Off	Defined by GPIO

HDD Activity Status

HDD Activity Status LED —

Blinking Amber	Data access activities
Off	No data access activities

RJ45 LAN Status

Upper LED (Speed)	Solid Green	Operating as a 100 Mbps connection
	Solid Amber	Operating as a Gigabit connection (1000 Mbps)
	Off	No link has been established
Lower LED (Link Status)	Solid Amber	Link has been established and there is no activity on this port
	Blinking Amber	Link has been established and there is activity on this port
	Off	No link has been established

SFP Port Status

Solid Amber	Link has been established and there is no activity on this port
Blinking Amber	Link has been established and there is activity on this port
Off	No link has been established

Contacting LiveAction support

Please contact LiveAction support at *https://www.liveaction.com/support/technical-support/* if you have any questions about the installation and use of LiveWire Edge 1515.

An RMA (Return Material Authorization) number must be obtained from LiveAction before returning hardware. Please contact LiveAction technical support at *https://www.liveaction.com/support/technical-support/* for instructions.