

OnSite 1052 & 1063 Series **Metro-Optical Transport Access Nodes**

Quick Start Guide



Important—This is a Class A device and is not intended for use in a residential environment.





WARNING

- Do not open the device when the power cord is connected. For systems without a power switch and without an external power adapter, line voltages are present within the device when the power cord is connected.
- For devices with an external power adapter, the power adapter shall be a listed *Limited Power Source*. The mains outlet that is utilized to power the device shall be within 10 feet (3 meters) of the device, shall be easily accessible, and protected by a circuit breaker in compliance with local regulatory requirements.
- For AC powered devices, ensure that the power cable used meets all applicable standards for the country in which it is to be installed.
- For AC powered devices which have 3 conductor power plugs (L1, L2 & GND or Hot, Neutral & Safety/Protective Ground), the wall outlet (or socket) must have an earth ground.
- For DC powered devices, ensure that the interconnecting cables are rated for proper voltage, current, anticipated temperature, flammability, and mechanical serviceability.
- WAN, LAN & PSTN ports (connections) may have hazardous voltages present regardless of whether the device is powered ON or OFF. PSTN relates to interfaces such as telephone lines, FXS, FXO, DSL, xDSL, T1, E1, ISDN, Voice, etc. These are known as "hazardous network voltages" and to avoid electric shock use caution when working near these ports. When disconnecting cables for these ports, detach the far end connection first.
- Do not work on the device or connect or disconnect cables during periods of lightning activity.



WARNING

This device contains no user serviceable parts. This device can only be repaired by qualified service personnel.



WARNING

If one has reason to open the chassis or case, then the precautions mentioned above shall be followed. This includes both the warnings relating to disconnection of the input power, and the warnings relating to the disconnection of WAN, LAN & PSTN ports.



WARNING

This device is NOT intended nor approved for connection to the PSTN. It is intended only for connection to customer premise equipment.



Electrostatic Discharge (ESD) can damage equipment and impair electrical circuitry. It occurs when electronic printed circuit cards are improperly handled and can result in complete or intermittent failures. Do the following to prevent ESD:

- Always follow ESD prevention procedures when removing and replacing cards.
- Wear an ESD-preventive wrist strap, ensuring that it makes good skin contact. Connect the clip to an unpainted surface of the chassis frame to safely channel unwanted ESD voltages to ground.
- To properly guard against ESD damage and shocks, the wrist strap and cord must operate effectively. If no wrist strap is available, ground yourself by touching the metal part of the chassis.

1.0 Unpacking and Installation

1. Check the contents of the shipping container and accessories box or bag against the content list and the packing slip. Verify that you received all listed equipment and inspect all items for shipping damage.
2. Unpack the OS-10 Series chassis and install it into a rack according to the instructions in the *OnSite Series User Manual* available online at www.patton.com/manuals/OS10xx.pdf.
3. Verify that the site where you wish to install and operate the equipment conforms to the environmental requirements in the *OnSite Series User Manual*.

2.0 Powering Up the System

If your OS-10 Series system was ordered for use with AC power, follow these steps:

1. Connect the enclosed AC power cable to the AC power receptacle on the rear side of the OS-10 Series chassis.
2. Connect the power cable plug to an AC power source with the following characteristics: 15 A at 120 VAC (60 Hz) or 10 A at 240 VAC (50 Hz) circuit with overcurrent protection.

Refer to the OS-10 Series Installation and Operation Guide if your system was ordered for use with DC power (–48 VDC nominal).

When you first apply power to the system, the STAT (status) LED on the front panel becomes a solid amber light. This light indicates that the system is booting. The STAT LED becomes a solid green light when the system completes the boot process and is ready for management access and operation.

3.0 Accessing and Configuring the System

To access the system management functions for the first time, you may use either the SERIAL or the Ethernet LAN management port. Refer to the Installation and Operation Guide for access through the SERIAL port.

For first time access through the Ethernet LAN management port, follow these steps:

1. Connect a PC to the Ethernet LAN management port using the RJ-45 connector.
2. Configure the PC to connect to the OS-10 Series system using the factory default settings for the Ethernet LAN management port.

Note By default, the IP address is set to 192.168.2.100.

3. Launch the Web browser of your choice, and type the default IP address of the system in the Address field of the browser.
4. Log in to the OS-10 Series system using the super user ID and password.

Note The factory-assigned default password for the Super user is super (all lowercase letters).

Once you gain access to the system using the default settings, change the IP settings for the LAN port for secure access to the system.

3.1 Changing the IP Settings for the LAN port

To configure the Ethernet LAN management port settings, follow these steps:

1. Select the SYSTEM folder from the OnSight Device Manager (DM) web-based GUI navigation menu.
2. From the expanded SYSTEM folder, select Management Access, and from this folder select LAN.
3. On the Ethernet LAN Management Port page, type the new LAN IP Address.

Note The Admin Status for the Ethernet LAN management port is always enabled.

4. Click on Apply.

The new IP settings take effect once you click on the Apply button. This change in settings causes the loss of access connectivity to the system. You can regain access immediately by typing the new IP address of the LAN port in the Address field of the browser. (Make sure that you change your PC settings to allow connectivity to the OS-10 Series system over the same IP subnetwork.)

You will need to save the system configuration to avoid losing the new IP settings after a subsequent reboot.

Note The system uses the last saved configuration to restore system operation and traffic connectivity after the completion of the reboot. Any recent configuration data and connections not saved to the system configuration file are lost and need re-entry, if required.

3.2 Saving the System Configuration

To save the system configuration to the flash memory, follow these steps:

1. Select the SYSTEM folder from the OnSight DM web-based GUI navigation menu.
2. From the expanded SYSTEM folder, select the Actions folder.
3. From the expanded Actions folder, select Save Configuration.

A warning window opens to alert you to the start of the save-configuration process. Click on OK to continue or Cancel to cancel the request.

4.0 Additional Information

The system is now ready for operation using the OnSight DM web-based graphical user interface (GUI). You may now configure the system clock, timing mode and STM-1 interface settings for your intended application.

For detailed instructions, refer to the *OnSite Series User Manual* and the *OnSite Series Administrator's Reference Guide* available online at www.patton.com/manuals/OS10xx.pdf and www.patton.com/manuals/OS10xx-arg.pdf.

A.0 Customer and Technical Support

Online support: www.patton.com

E-mail support: support@patton.com— answered within 1 business day

Telephone support:

- Standard: +1 (301) 975-1007 (USA), Monday–Friday: 8:00 am to 5:00 pm EST (1300 to 2200 UTC/GMT)
- Alternate: +41 (0)31 985 25 55 (Switzerland), Monday–Friday: 8:00 am to 5:00 pm CET (0900 to 1800 UTC/GMT)

Fax: +1 (253) 663-5693 (USA) or +41 (0)31 985 25 26 (Switzerland)

B.0 Compliance Information

B.1 Compliance

EMC Compliance:

- EN55022, Class A
- EN55024

Low-Voltage Directive (Safety Compliance):

- IEC/EN60950-1

PSTN:

- This device is not intended nor approved for connection to the PSTN.

B.2 CE Declaration of Conformity

Patton Electronics, Inc declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC relating to electromagnetic compatibility and Directive 2006/95/EC relating to electrical equipment designed for use within certain voltage limits. The Declaration of Conformity may be obtained from Patton Electronics, Inc at www.patton.com/certifications.

The safety advice in the documentation accompanying this device shall be obeyed. The conformity to the above directive is indicated by CE mark on the device.

B.3 Authorized European Representative

D R M Green

European Compliance Services Limited.

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Warranty, Trademark, & Compliance Information

For warranty, trademark and compliance information, refer to the *OnSite Series User Manual* located online at www.patton.com/manuals.



In accordance with the requirements of council directive 2002/96/EC on Waste of Electrical and Electronic Equipment (WEEE), ensure that at end-of-life you separate this product from other waste and scrap and deliver to the WEEE collection system in your country for recycling.

