



Preparing for Installation

Before LOGIX Fiber Networks can perform any installation work, your site must meet the requirements outlined in this document.

A Site Survey is conducted when LOGIX Fiber Networks is providing on-net fiber services. This is the first step of the installation process. A LOGIX technician determines whether cable needs to be pulled, if a backboard is necessary, whether power requirements are met and lastly, they document all the equipment the Customer has and/or needs. **If your site will not accommodate a 2' x 2' backboard, let your Installation Coordinator know before the Site Survey so that the engineer can prepare.**

If the Survey indicates that a backboard or additional power are needed, the Customer will be asked to make those improvements **before** installation can begin.

The Survey and the pulling of cable often happen on the same day, after which a technician comes to install the equipment. The IC schedules the conversion, or activation, and a technician meets the Customer's IT vendor on site to turn the equipment over to them. At this point, all phone and data lines will be connected.

Wall Mount Backboard

Installation of a wall mount backboard is generally required for service, and is the Customer's responsibility.

- ✓ The backboard should be 0.61m x 0.61m x 13mm (2' x 2' x ½") fire-rated plywood fastened to studs, and able to support 10 kilograms (22 pounds).
- ✓ The backboard should be within 2 meters (~6 feet) of a dedicated power outlet.
- ✓ The circuit must terminate within 6 meters (~20 feet) of the wall-mounted equipment; the use of power strips is not permitted.

Power/Ground:

Electrical work can be performed simultaneously with wall mount backboard installation. Please coordinate with your electrician to allow them two weeks prior to your Customer Commit Date (CCD) to complete any stand-alone power and ground work.

- ✓ The amperage, number, and type of receptacles will be determined during the Site Survey.
 - ✓ Dedicated circuits backed up by an Uninterruptible Power Supply (UPS) and/or a generator system are strongly recommended.
 - ✓ For AC Power, 20A, 120V, AC generator-backed, AC Power is typically requested.
 - ✓ The Site Survey will determine if additional power is required.
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Environmental Conditions

The Customer is responsible for maintaining a suitable environment for network equipment operation.

Suitable Environmental Parameters:

- Operating Temperature: 0 – 25°C (32 - 78°F)
 - Heat Dissipation (BTU/hr.): 500
 - Humidity: 10% - 85% (non-condensing)
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Cable, Cable Path, and Conduit

Your Site Survey will determine whether cable needs to be pulled at your location. LOGIX Fiber Networks will provide service to one server room, data closet, telecommunications room, or similar location where network equipment is located, but we do not split services between two rooms. If you require service in two rooms within the same premises, you will be responsible for extending lines from the telco room or data closet to the additional rooms.

Inside Wiring – Extending from the MPOE to your location

LOGIX Fiber Networks typically provides service to a commercial building’s Minimum Point of Entry (MPOE), which is often a server room, data closet, or telecommunications room. This room becomes the “demarcation point” or the “demarc,” point after which the Customer becomes responsible for cabling and wiring. Bringing cable from your building’s demarc to your suite may require installation of extensions.

- LOGIX Fiber Networks will check for existing extensions and use them if possible
- LOGIX Fiber Networks will extend the demarc unless it goes through wood-frame, brick or metal structure, like a residence converted to a business.

Please note, for **each** new service, a new demarc extension may be required. When requesting installation of a demarc extension, you will need to confirm the specific point to which you want service extended.

Network Interface Device Readiness at your location

LOGIX Fiber Networks’ demarcation is a Network Interface Device (NID) deployed at Customer sites to provide end-to-end fault management of connectivity.

LOGIX Fiber Networks deploys NIDs for all off-net Ethernet Access to VPLS, MPLS and DIA circuits.

- The NID is a Customer-premise device owned and installed by LOGIX Fiber Networks.
- The NID is installed and maintained at Customer sites.

Key capabilities:

- Supports 100/1000Mbps capable ports at each Customer site.
 - Provides loop back capabilities to enable trouble isolation processes.
 - Performance assurance with end-to-end service level thresholds, including frame delivery, frame delay (latency), and frame delay variation (jitter).
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Site Preparation

To facilitate installation of the NID, please ensure:

- ✓ Access to the site for the installer at the scheduled installation time(s).
 - ✓ Appropriate Customer personnel are available on site at the scheduled installation time(s).
 - ✓ The following are ready: power distribution boxes, conduits, backboard or rack space for equipment mounting, grounding, surge and lightning protection. Associated hardware and power outlets are within 1 meter (~3 feet) of the NID installation location.
 - ✓ Inside telco circuit wiring is in place, including extensions and any necessary building alterations, so the NID can be installed within 2 meters (~6 feet) of the local access demarcation.
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Additional requirements at your location

Additional equipment may be necessary based upon your service requirements and the Site Survey. Your Installation Coordinator will inform you of any such requirements.

Site Readiness Checklist

To further assist you with preparing your site, here is a quick checklist you can refer to during the order and installation process.

Power

<input type="checkbox"/>	My site has AC power with a three-prong plug
<input type="checkbox"/>	My room has grounding available
<input type="checkbox"/>	My room has power available within 2 meters (~6 feet) of the area the LOGIX Fiber Networks equipment will be installed
<input type="checkbox"/>	I understand that extension cords cannot be used with LOGIX Fiber Networks equipment

Backboard

<input type="checkbox"/>	My room has a minimum of 0.61m x 0.61m (2' x 2') of backboard available, or available rack space <ul style="list-style-type: none"> • If no, my room has wall space to mount a new backboard within the distance requirements • If special circumstances prevent the use of a backboard, Customer should alert their Installation Coordinator
<input type="checkbox"/>	My equipment backboard is plywood and at least 13mm (½ inch) thick
<input type="checkbox"/>	My equipment backboard can support at least 10 kilograms (22 pounds)

Environmental

<input type="checkbox"/>	My room is broom clean
<input type="checkbox"/>	My room maintains a temperature range between 0°C and 25°C (32°F to 78°F)
<input type="checkbox"/>	My room has a clear and safe access path to the area where the LOGIX Fiber Networks equipment will be installed

Inside Wiring

<input type="checkbox"/>	My inside wiring is complete <ul style="list-style-type: none"> • If not, please let your Installation Coordinator know so they can alert the technician
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If you have any questions about this checklist or site readiness in general, please contact your Installation Coordinator.