Nitrotel Manufacturing
Low Voltage Products & Fiber Optic

PRODUCT DATA SHEET

EngineerPro Fiber Panels Solution

Overview

The EngineerPro™ Fiber Optic Patch Panels are a major sub-system within the overall EngineerPro™ fiber solution. Available in 1U, 2U, 3U and 4U these 19-inch (483mm) wide rack mounted panels can accommodate industry-standard LGX adapter modules or LGX cassette modules manufactured by Nitrotel or other vendors for mix-and-match applications and bringing new levels of flexibility, functionality and accessibility to high-density fiber management systems. The panels offer complete top, front and rear-panel access. Internal and external fiber management are included allowing jumpers to easily exit either to the left or right at the front of the panel.

The 1U Patch Panel includes one sliding tray that accommodates 3 LGX adapter modules or LGX cassette modules. The 2U, 3U and 4U Patch Panels include a fixed frame that accommodates up to 12 LGX adapter or cassette modules.

The EngineerPro™ Fiber Optic Patch Panels are also available with factory terminated and pre-loaded cable, pigtails and adapters. Standard optical cables and pigtails may be ordered in specific lengths, terminated with TIA/EIA standard connectors and with their corresponding fiber optic adapters loaded into the LGX panels or cassettes and shipped as a single unit.

1U Slidable Drawer Panel

2U Fixed Frame panel

Features & Benefits:

- Large, translucent window provides clear view of the patching field.
- Full support for a wide variety of fiber installation and termination methods:
  - Pigtail fusion splicing
  - Splice Tray
  - Field-terminated connector.
  - Pre-terminated/Plug & Play MTP cassette modules
  - Patch & splice cassette modules
  - Splitter cassette modules
  - C/D-WDM cassette modules
- Complete front and back panel access to any/all modules in the panel.
- Excellent cable management
- Trunk cable holders (Available only in 2U, 3U & 4U Patch Panels)
- Compatible with existing plant
- Flexibility in configuration
- Complete installation hardware

General Certifications and Standards

- Telcordia GR-449
- Telcordia Gr487
- ANSI TIA / EIA standard
- ISO9001
- UL standard

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Applications:
- Entrance Facility
- Equipment Room
- Consolidation Point
- Telecommunications Room
- Central Office

Ordering Information:

NTDIOXUXX
- Color: BK Black; GY Gray
- 1U, 2U, 3U & 4U

Characteristics:

Plastic Materials:	UL 94V-0 thermoplastic
Panel Material	Aluminum sheet
Panel Finish	RAL7035 Gray or RAL 9005 Black Electrostatic Powder Spraying
Operating Temperature:	-40˚C -- 75˚C
Storage Temperature:	-40˚C -- 75˚C
This product is intended for indoor use or can be used outdoors in a suitable protective enclosure.	

Physical Specifications:
1U = 1.75 in H x 19 in W x 12.30 in D (44.0mm x 482.6mm x 312.2mm)
2U = 3.50 in H x 19 in W x 12.30 in D (88.6mm x 482.6mm x 312.2mm)
3U = 5.25 in H x 19 in W x 12.30 in D (132.6mm x 482.6mm x 312.2mm)
4U = 7.00 in H x 19 in W x 12.30 in D (177.0mm x 482.6mm x 312.2mm)

Panel depth (behind mounting angles) 8.0 in (203.2mm)
Panel projection (in front of mounting angles) 4.3 in (109.2mm)
Tray travel (1U Patch Panel) = Up to 12.0 in (304.8mm) when rail locks are released.

Customize Your Panel with EngineerPro® Fiber Optic Adapters

3U Fixed Frame Pan

4U Fixed Frame panel

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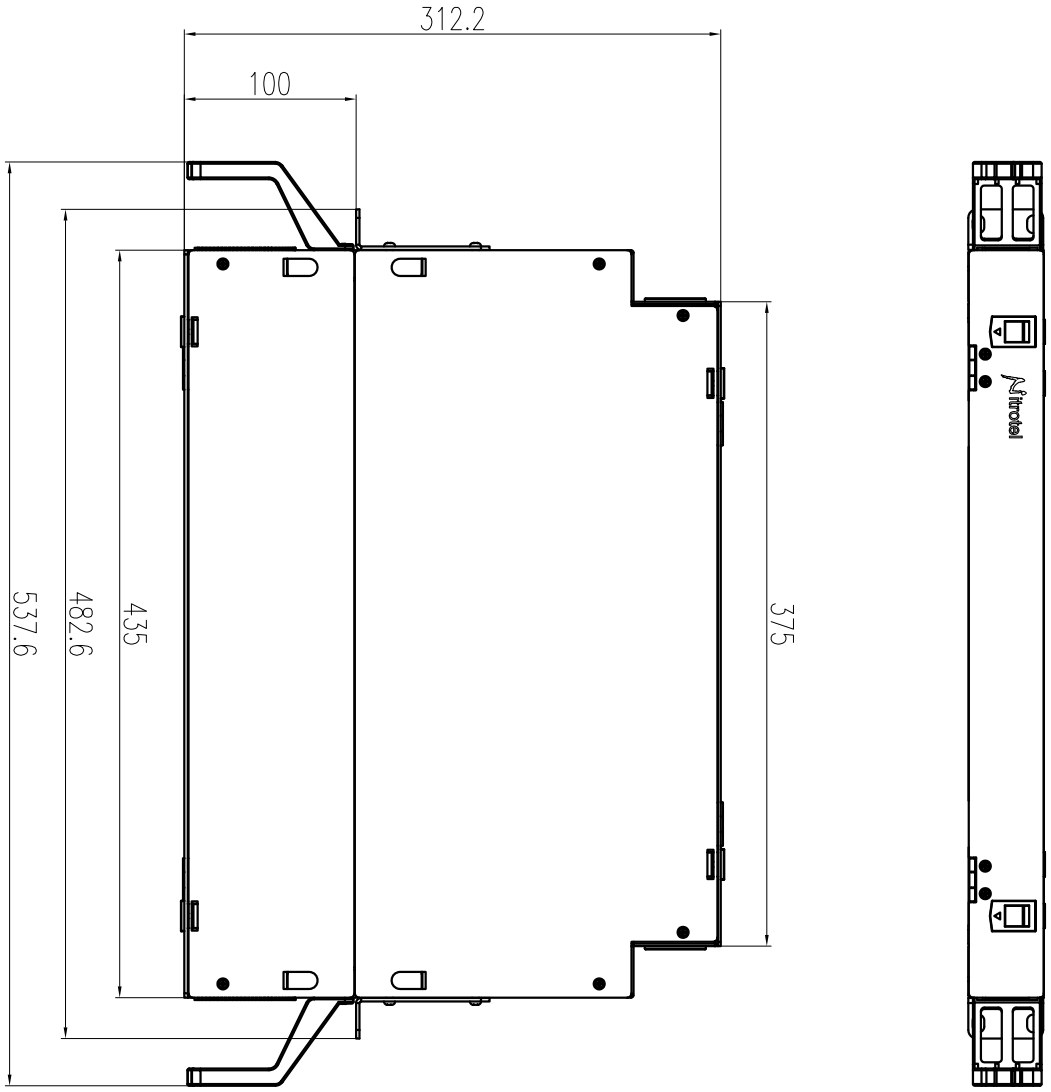
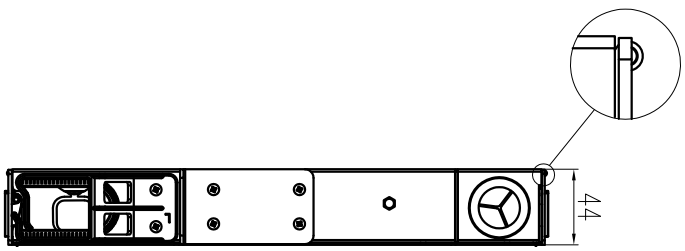
1U Slidable Panel





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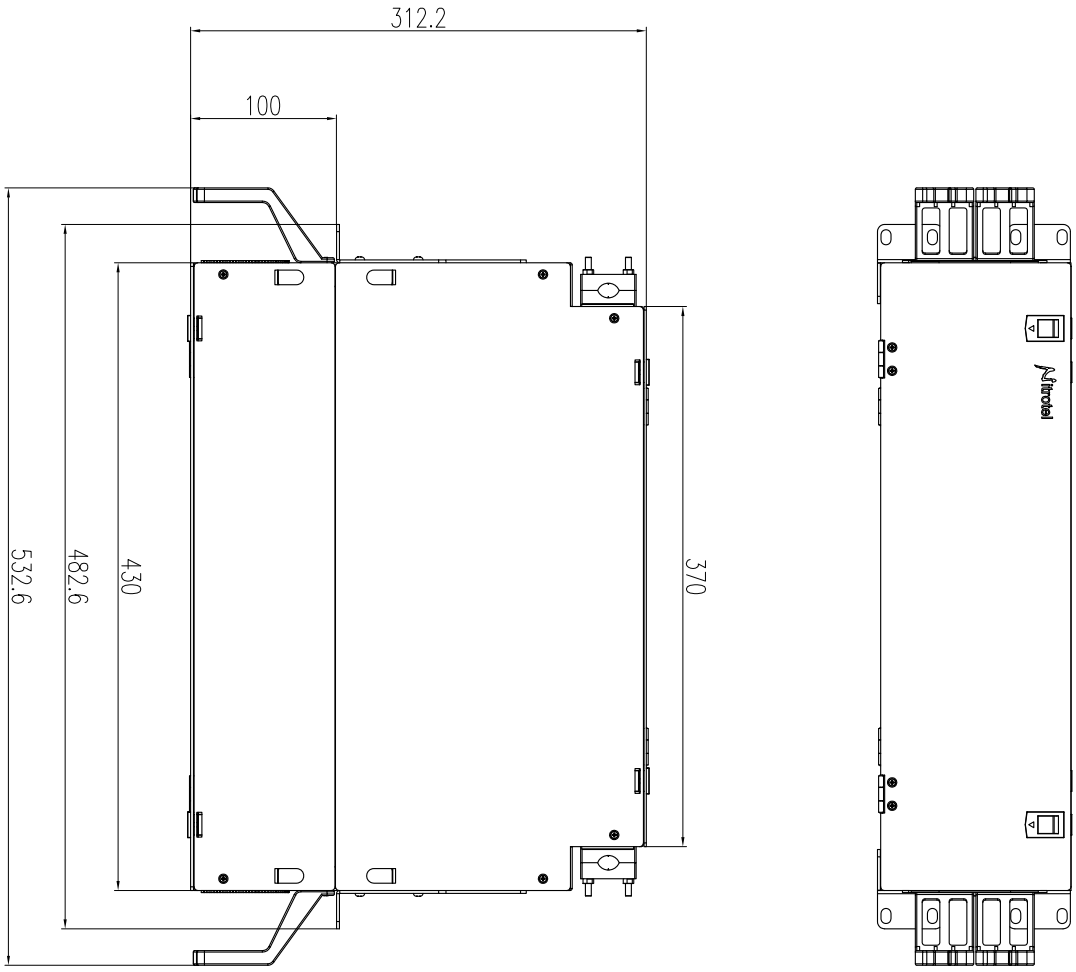
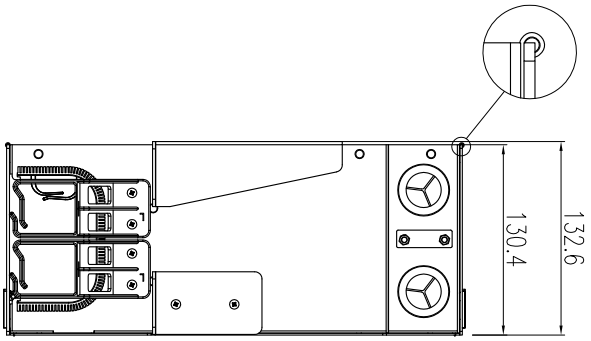
2U Fixed Frame Panel





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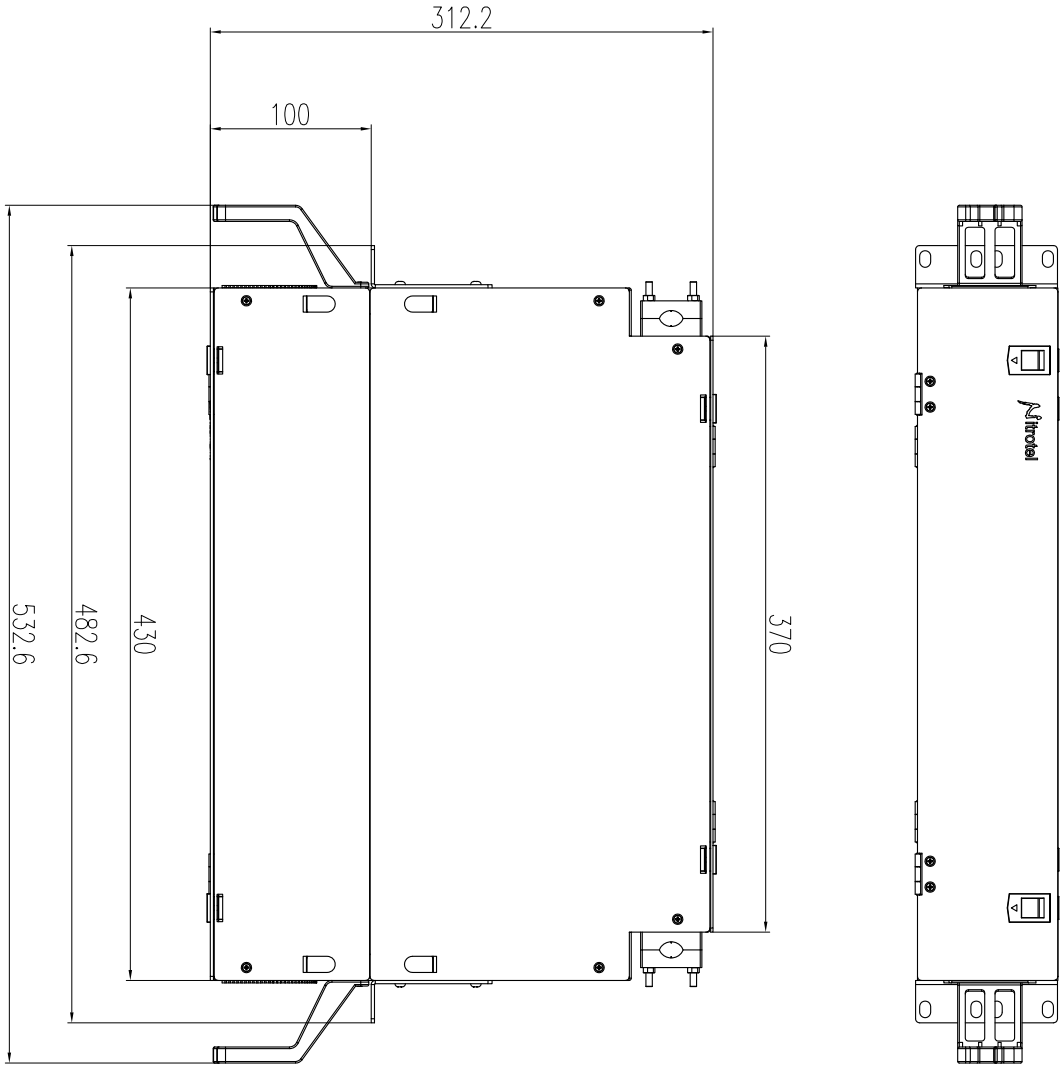
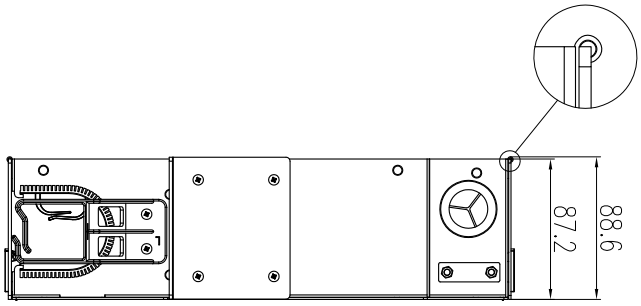
3U Fixed Frame Panel





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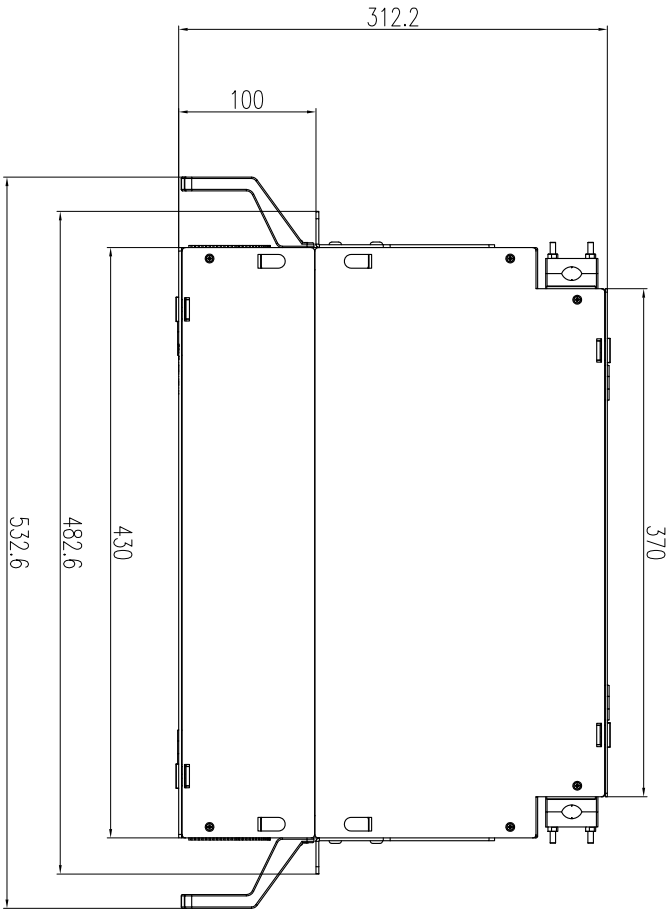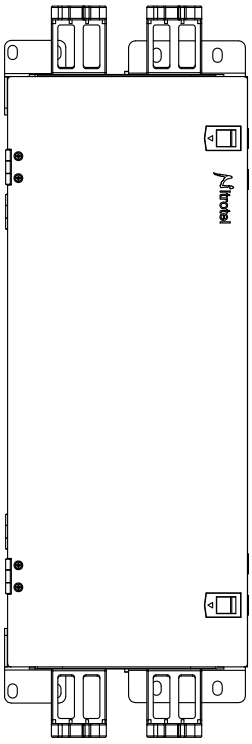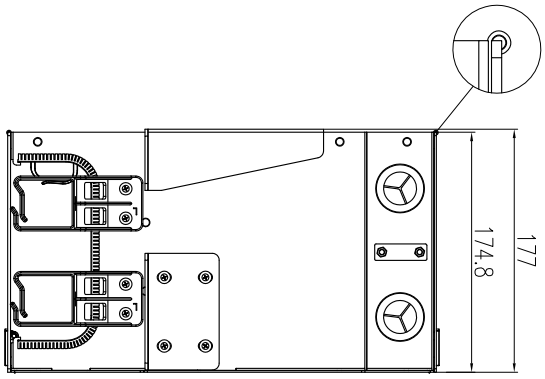
4U Fixed Frame Panel