

High-density installation solution for Korean 1U standard chassis



Overview

The UHD Chassis solution has a maximum capacity of 12 front or rear installable modules (per 1U) that allow multiple fiber connections to be quickly and efficiently installed and maintained, while supporting regular moves, adds and changes. Efficiently manage fiber cables with the High-Density IANOS Chassis (1U). Supports up to 12 single or 6 double modules, supports 72 ports per 1U, compatible with EDR, features front/rear module fitting and horizontal opening front door. 2 Tbps Pan Dacom Direkt announced that it has officially launched its new SPEED-CARRIER 1U-H rack. The resulting packing density, realized on a modular rack unit featuring AES 256 Layer 1 encryption with up to 3,200 Gbps per rack unit. Network test access points (TAPs) are hardware tools that allow you to access and monitor your network. The passive fiber modular chassis system supports 1G, 10G, 40G and 100G network speeds. This high density and high performance monitoring solution accommodates growing data center and enterprise. IANOS chassis are high density scalable sub-racks designed to accommodate IANOS modules that provide the next generation of data rates. IANOS chassis is available in 1U and 4U sizes and mounts into standard 19" rails. Our solution is designed for optimal fiber management, ease of installation & deployment, and the ability to add & manage modules without disrupting those already in service. The UHD Chassis, in its basic configuration, will serve 72 LC ports.



Article Content

Aug 06, 2025

Official Launch Of New High-Density 1U Chassis Solution

Pan Dacom Direkt announced that it has officially launched its new SPEED-CARRIER 1U-H rack. The resulting packing density, realized on a modular rack

Jul 01, 2025

Ultra-High Density (UHD) Chassis – PPC Broadband

The UHD Chassis solution has a maximum capacity of 12 front or rear installable modules (per 1U) that allow multiple fiber connections to be quickly and efficiently

May 13, 2026

ULTRA HIGH DENSITY SOLUTION GUIDE

ULTRA HIGH DENSITY SOLUTION GUIDE About A global leader in fiber optic technology, AFL Hyperscale brings together over 70 years of design and manufacturing expertise to create next

Feb 10, 2026

Ultra High Density 1U Chassis

Ultra High Density 1U Chassis 1U Ultra High Density (UHD) Chassis is the part of the system for high density fiber optics infrastructure management in Data Centres, Telecommunication and Enterprise

Oct 13, 2025

1U Rack Mount Fiber Enclosure Types and Selection Guideline

FS FHZ series 1U rack mount enclosure uses the FHZ fiber cassette platform to provide a premium ultra-high-density solution for interconnects or cross-connects between backbone horizontal

Nov 28, 2025

Fiberdyne Labs, Inc. High Density 1U Rack Mount

High Density 1U High Fiberdyne Rack Mount Distribution Center Introduction: Fiberdyne Labs FTP-1UH-3P has been designed to support High-density fiber

Apr 10, 2026

NVIDIA DGX SuperPOD Data Center Design

This document provides guidelines for selecting or configuring the right data center to deploy a DGX SuperPOD, and is the result of co-design between DL scientists, application performance engineers,

Feb 17, 2026

How to Choose the Best Server Chassis 1U: A Complete Buying Guide

When selecting a server chassis 1u, prioritize rack space efficiency, thermal performance, and compatibility with your motherboard and power supply. The ideal 1U rackmount

Jul 12, 2025

FirstLight Ultra High Density 1U Chassis

FirstLight™ Ultra High Density 1U Chassis Datasheet FirstLight™ 1U Ultra High Density (FL UHD) Chassis is the part of the system for high density fibre optics infrastructure management in Data

Aug 16, 2025

Choosing the Right Server Case: 1U, 2U, 3U, and 4U for

Identify the most suitable case for your server by comprehending the distinction between 1U, 2U, 3U, and 4U server cases in terms of your server's

Nov 26, 2025

High Density 1U Data Center Solution

The passive fiber modular chassis system supports 1G, 10G, 40G and 100G network speeds. This high density and high performance monitoring solution accommodates growing data center and enterprise

Oct 21, 2025

Ultra High Density Patch Panel

It offers max 12pcs 12F modules or 16pcs 8F modules in 1U chassis. Not only allow MPO modules, but LC and CS connectors for easy management, installation and

Feb 18, 2026

ngx-brochure-EN

The installation of the NGX chassis is simple and fast. Loaded with modules, the NGX chassis offers ultra highdensity connectivity and unprecedented modularity without contest.

Oct 25, 2025

FHD® High Density 1U Rack Mount Enclosure

The FHD® (FS High Density) 1U rack mount fixed fibre enclosure is designed to accept up to 4pcs FHD® series cassettes or fibre adapter panels within a 1U

Sep 03, 2025

OPTRONICS

FirstLight™ Ultra High Density chassis are designed together with the fibre management products to perform a core installation platform for the Ultra High Density modular system.

Feb 03, 2026

1U Flat Slide Out Ultra High Density UHD Fiber Panel

This ultra high-density panels patch up to 144 LC fibers per RU to provide an inter-connect or cross-connect between backbone horizontal cable and active

Aug 31, 2025

Cooling Strategies for Ultra-High Density Racks and Blade Servers

Making the wrong choices when specifying a data center for high density operation can needlessly increase the lifetime cost of the physical infrastructure by many times. The purpose of this paper is to

Aug 25, 2025

High Density Data Center Solutions

By doubling the port density within a standard rack space, the UDX 48-Port, 1U angled jack panel offers the ideal solution for data centers, Internet Service Providers (ISP) and other applications where

Apr 11, 2026

Data center System Datasheet

1U Rack Mount Fiber Enclosure High Density Series without fiber cassettes or adapter panels. This Rack Mount Fiber Enclosure is compatible with Fiberstore high density series optimized HD Fiber

Jan 08, 2026

Choosing the Right Rackmount Server Case: 1U, 2U,

Understand how 1U, 2U, 3U, and 4U rackmount server units vary in order to optimize your server requirements to select the most appropriate piece of

Oct 15, 2025

High Density Patch Panel

Description: High density rack-mount patch panel for datacenter space and SAN's. Ideal network solution with great compatibility for interconnect and cross-connect between active equipment in

Jul 05, 2025

IANOS Standard chassis 1U

Efficiently manage fiber cables with the High-Density IANOS Chassis (1U). Supports up to 12 single or 6 double modules, supports 72 ports per 1U, compatible with

Dec 30, 2025

1U RACK server cases – pros, cons, applications | Lanberg

What are the main advantages, problems, and most common applications of RACK 1U server cases? Which server case should you choose

Sep 29, 2025

Types of Server Chassis: Everything You Need To Know

Discover the different types of server chassis, from rackmount to tower and blade, and find the best fit for your server setup and needs.

Feb 27, 2026

IANOS Chassis for High Density Fibre Applications

IANOS chassis provides fibre optic management for high density

Dec 06, 2025

1U High Density MPO Fiber System Chassis | MPO

10gtek develops a high density MPO fiber system chassis. This chassis is designed for MPO box, fits for SC/LC, MMF/SMF fiber system, etc. With unique tool-free

Feb 10, 2026

1U rackmount case: balancing density and cooling

1U rackmount case cooling vs density A 1U chassis gives you 44.5 mm of height. That's dense, but tight. Heatsinks shrink, fans get smaller, cables crowd the intake. So discipline beats

May 02, 2026

ULTRA HIGH DENSITY SOLUTION GUIDE

UHD Solution Guide: Building Blocks - Ultra High Density Pre-Terminated Module UHD Pre-Terminated Modules bring convenience and flexibility to your network. The convenience of a pre-terminated UHD

Dec 23, 2025

1U chassis

Find your 1u chassis easily amongst the 39 products from the leading brands (Kontron, ELMA, SUPERMICRO, ...) on DirectIndustry, the industry specialist for your professional purchases.

Contact Us

For more information, pricing, or custom solutions, please contact us:

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