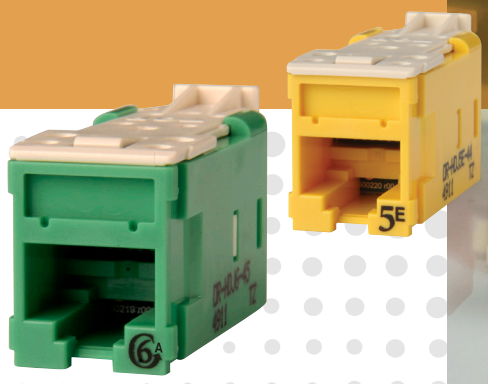
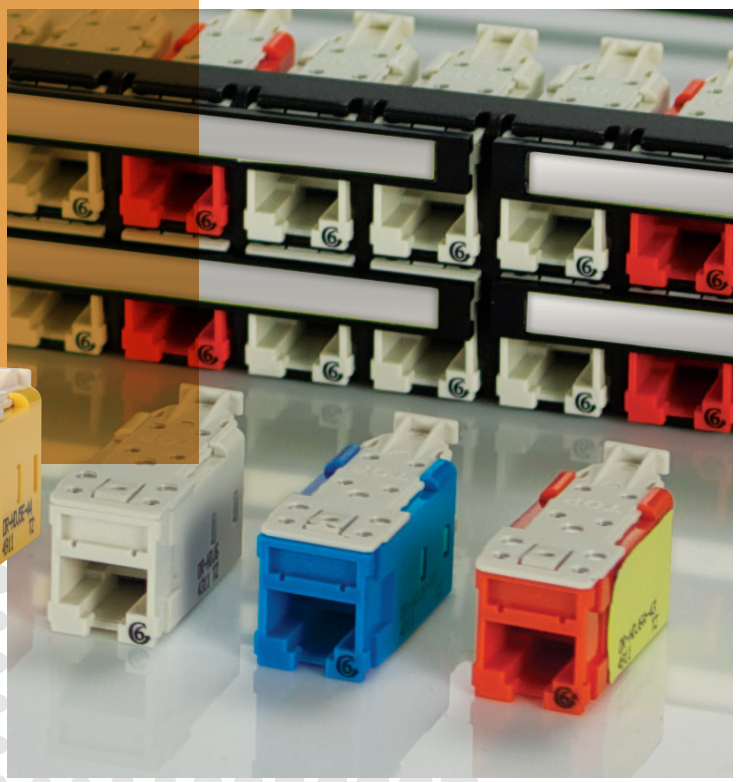
ORTRONICS®

CLARITY HIGH DENSITY COPPER SOLUTION

MAXIMIZE YOUR CABLING DENSITY, REDUCE YOUR FOOTPRINT





designed to be better.™

legrand®

Clarity® High Density Copper Solution

Legrand® HDJ patented, recessed angled modular patch panels combine with Legrand vertical cable managers to provide up to quadruple the density as standard panels with horizontal cable managers.

Legrand's newest high density Clarity® jack and panel products (HDJ) solve density challenges without sacrificing performance. The smaller HDJ jack footprint allows up to 48-ports of premium Category 6a, 6 or 5e performance in 1 rack unit panel. This system is ideal for applications like data centers, distribution areas (TIA-942 Standard) or limited space, high density environments.

The new high density jack and panel series provides:

- Less required rack and floor space to reduce real-estate costs
- A nearly transparent signal path, when used with Clarity patch cords, for enhanced network performance
- New cable termination process that is easier and faster for Category 6a and 6
- A new slide-lock mounting for a quicker installation time that reduces labor costs, while locking the jacks firmly in place

The greater rack unit density, made possible with the smaller jack footprint, is supported by superior cable management products that have been optimized for cable protection and proper airflow. Mighty Mo® cable managers allow up to 48 Category 6A or 6 patch cords per rack unit on a single side of the rack or cabinet, providing ample support to Clarity high density solutions.



High Density Panels

The HDJ series of jacks is supported by high density flat or angled panel options, which includes 24-port (1 RU), 48-port (1 RU) and 72-port (2 RU) sizes. All panels are supplied with rear cable management bars, straps and ties.

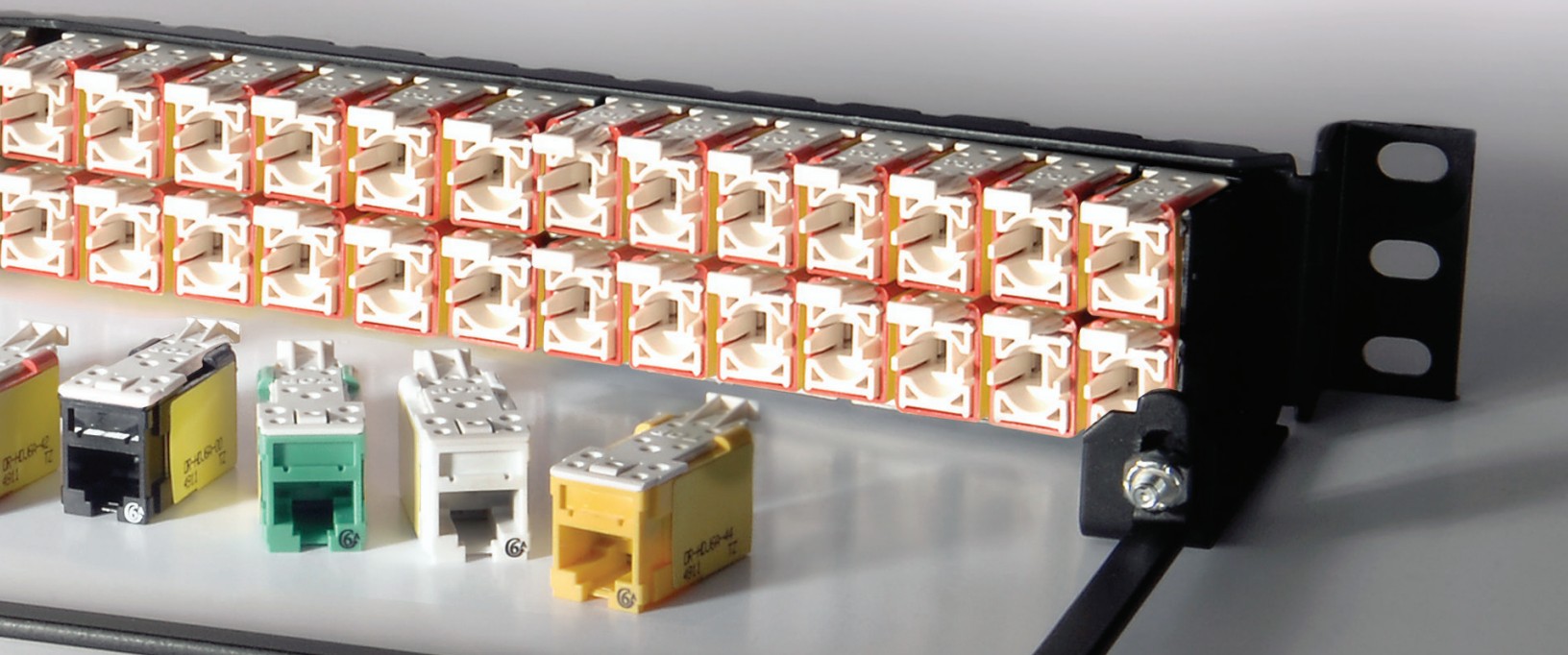
- Support up to 48-ports in 1 rack unit (1 RU)
- Quicker termination and installation time
- New 6 port front labeling fields snap into jack icon slots
- Ability to field configure with different color and category jacks
- Angled modular patch panel design offers additional bend radius protection for patch cords as they route to vertical pathways
- Modular patch panels accept HDJ copper and fiber modules, providing modularity for mixed data center media and future upgrades
- Rear cable management bars are supplied with all HDJ panels to support and protect cable terminations

High Density

PART NO.	DESCRIPTION
OR-PHAHJU24	24-port angled HDJ jack panel, unloaded 1.75" x 19", 1 RU
OR-PHAHJU48	48-port angled HDJ jack panel, unloaded 1.75" x 19", 1 RU
OR-PHAHJU72	72-port angled HDJ jack panel, unloaded 3.5" x 19", 2 RU
OR-PHDHJU24	24-port flat HDJ jack panel, unloaded 1.75" x 19", 1 RU
OR-PHDHJU48	48-port flat HDJ jack panel, unloaded 1.75" x 19", 1 RU
OR-PHDHJU72	72-port flat HDJ jack panel, unloaded 3.5" x 19", 2 RU

Standard Density

PART NO.	DESCRIPTION
OR-PSAHJU48	48-port angled HDJ jack panel, unloaded 3.5" x 19", standard height, 2 RU
OR-PSDHJU48	48-port flat HDJ jack panel, unloaded 3.5" x 19", standard height, 2 RU



Workstation Options

The HDJ series of jacks and HD fiber modules are supported by our most popular single gang faceplate sizes along with a surface mount box and furniture plate mounting. In addition an HDJ TJ bezel can convert any of these jacks into a front loading TracJack® mount for inserting into the wide range of TracJack plates and boxes.

- HDJ jacks offer quick termination and installation time at the workstation
- HDJ jacks provide icon slots for identification icons
- Single gang faceplates and surface boxes offer label fields
- TracJack bezel allows any HDJ jack to mount into any TracJack faceplate or box
- Ability to field configure with different color and category jacks



OR-403STJ12
Shown with OR-HTJTJA20 and HDJ Jacks

Plastic Blanks for High Density Jack Faceplates, Boxes, Frames and Panels

PART NO.	DESCRIPTION
OR-HTJB20	High density blank, 20pk, fog white
OR-HTJB20-00	High density blank, 20pk, black

TracJack Adapter Bezel for High Density Jacks

PART NO.	DESCRIPTION
OR-HTJTJA20	TracJack adapter bezel for high density jacks, 20pk, fog white

Single Gang Plastic High Density Jack Faceplates

PART NO.	DESCRIPTION
OR-403HDJ12	Faceplate single gang, 2-port, fog white, rear loading with designation
OR-403HDJ13	Faceplate single gang, 3-port, fog white, rear loading with designation
OR-403HDJ14	Faceplate single gang, 4-port, fog white, rear loading with designation
OR-403HDJ16	Faceplate single gang, 6-port, fog white, rear loading with designation

NOTE: Standard color for plastic HDJ plates is fog white. For white, add -88 to end of part number.



OR-403HDJ13-88
Shown with HDJ Jacks

Surface Housing, Frames and Furniture Plates

PART NO.	DESCRIPTION
OR-404HDJ4	Surface mount box, 4-port, for high density jacks, 4.75L x 3.6"W x 1.5"D
OR-421HDJ-09	Furniture adapter plate for high density jacks, fog white, (3) rear load openings
OR-421HDJ-00	Furniture adapter plate for high density jacks, black, (3) rear load openings

NOTE: Plates, frames and surface mount housings are 94V-0 rated thermoplastic housing and UL 1863 listed.



OR-404HDJ4
Shown with HDJ Jacks

High Density Jacks

A reduced jack footprint

Legrand's high density jacks incorporate patent-pending mechanical and electrical advancements, providing greater headroom, as well as a new installation mechanism. In addition, the easy to lace-and-crimp termination maintains cable performance, reduces time to install and offers a simple hand tool that contributes additional time savings. The HDJ jacks are available in Category 6a, 6 and 5e with Clarity® performance that is visible in the channel. These jacks are rear loading, utilizing an innovative locking latch for quick and reliable mounting.



OR-HDJ6A-42

Features:

- Supported by panel and workstation mounting options
- Support up to 48 ports in a 1 rack unit (1 RU panel)
- Center tuned to Clarity patch cords for optimal channel performance
- Quad Reactance™ technology in Category 6a jacks for improved performance at higher frequencies
- ETL verified to TIA 568C.2 Category 6a and Category 6 component performance standards
- Quick termination and installation time



OR-HDJ6-36

PART NO.	DESCRIPTION
OR-HDJ6A	Clarity HDJ Category 6a jack, 8-position, T568A/B, fog white
OR-HDJ6	Clarity HDJ Category 6 jack, 8-position, T568A/B, fog white
OR-HDJ5E	Clarity HDJ Category 5e jack, 8-position, T568A/B, fog white

NOTE: For other colors add one of the following suffixes: -00 black, -36 blue, -42 red, -43 orange, -44 yellow, -45 green, -88 white



OR-HDJ5E-44

HDJ Jack performance and ratings:

- 8-pin connector: FCC part 68, Subpart F and IEC-603-7 compliant
- Durability: 1,000 mating cycles
- Contact plating material: minimum 50 micro-inches gold over nickel
- Current rating: 1.5 A maximum
- Gas-tight connection: insulation displacement of 22 to 24 AWG (.64 to .51mm) plastic insulated solid copper conductors
- UL 94V-0, plastic housing, UL 1863
- IDC durability: 20 insertions of any combination of wire gauge

HDJ Handled Crimping Tool

The HDJ termination process is simpler. The HDJ handled crimping tool works with the jack's easy to lace wiring cap, making the crimp process quick and consistently aligned. This presents an even greater time savings when terminating cable.


OR-HDJHCT

PART NO.	DESCRIPTION
OR-HDJHCT	HDJ handled crimping tool

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