



Clarity[®]

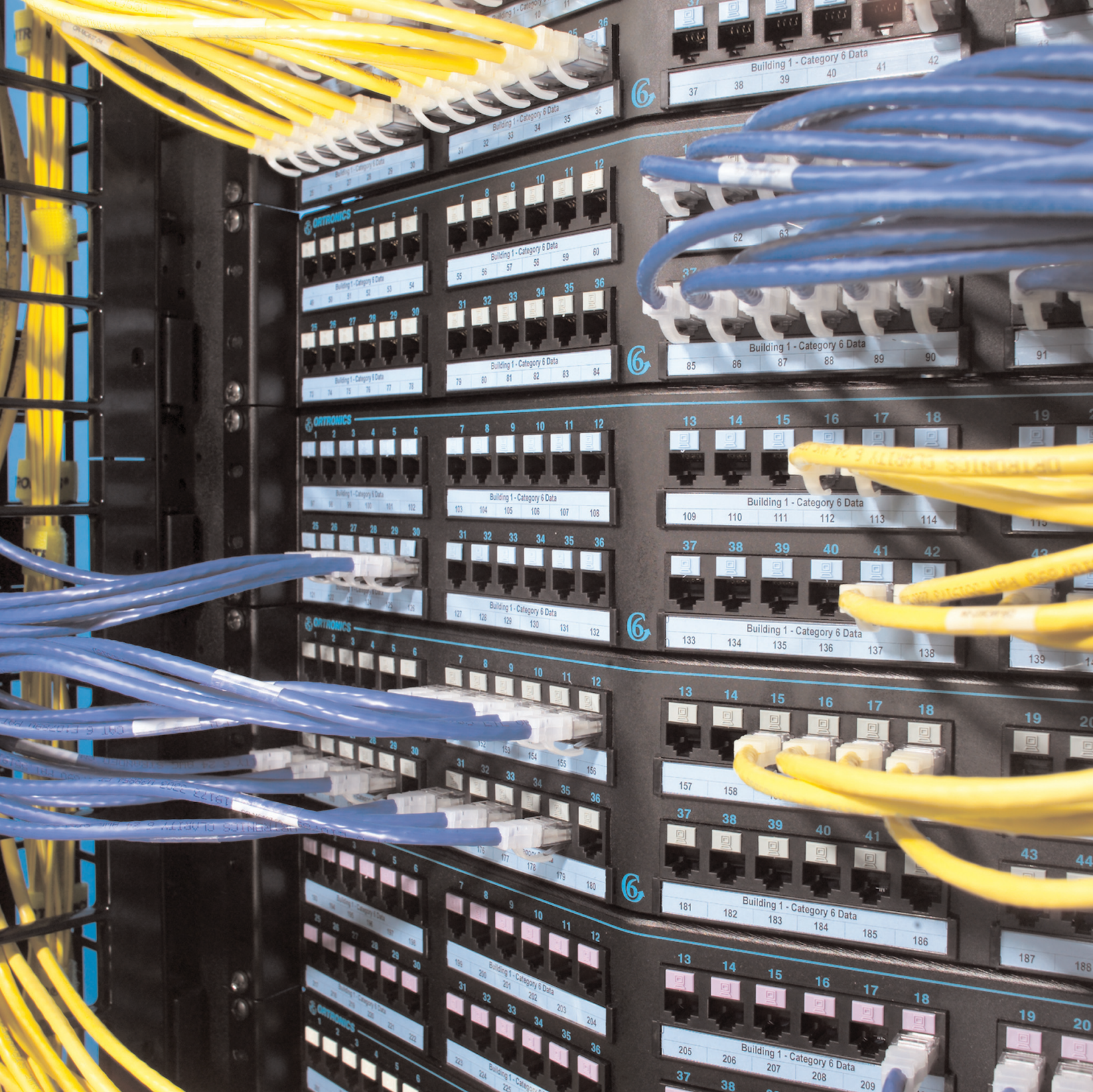
Advanced solutions for 10 Gig,
Category 6 and 5e copper connectivity

PRODUCT SOLUTION GUIDE



■ EXPERTISE. TECHNOLOGY. SOLUTIONS.





Center Tuned
Components



Higher Signal-to-
Noise Ratio



Optimal Mated
Connector Balance





Clarity[®] components provide an optimized medium for the high speed applications required in today's business environment.

Clarity^{10G}, Clarity⁶ and Clarity^{5E} components are engineered to meet and surpass the most stringent industry requirements including TIA and IEEE. Clarity connectivity utilizes patented and patent pending designs that include Ortronics technologies such as center tuning and dual and synchronized reactance to achieve more transparent mated unions and higher signal-to-noise ratio for field-measurable performance beyond the standards. This core technology makes Clarity the industry benchmark for elevated copper solutions.

- ☐ Clarity^{10G}
- ☐ Clarity⁶
- ☐ Clarity^{5E}
- ☐ New Products

Clarity^{10G}

Clarity^{10G} connectivity represents another major technology advancement from Ortronics/Legrand by fully supporting the internal and alien performance requirements of 10 Gigabit Ethernet.

Clarity^{10G} components utilize Ortronics' innovative technique of synchronized reactance to minimize internal crosstalk while reducing the injection of common mode noise – also a significant source of alien crosstalk. Jack ports implement Tactical Isolation Zones, to provide additional barriers against noise radiating from the connector as well as defending against the influence of alien noise sources on the connector.

When these technologies are combined with Ortronics previously developed advancements of dual reactance and center tuning, the result is superior 10G performance. A nearly transparent, high speed signal path between the Clarity^{10G} jacks or patch panels and patch cords ensures enhanced signal-to-noise (internal and alien) performance.



FEATURES

- ETL tested to TIA T568B.2-10 Category 6A and characterized out to 500 MHz
- Meets TIA T568B.2-10 Category 6A component specifications
- Backwards compatible to TIA Category 6 and 5e
- Synchronized reactance minimizes internal and alien crosstalk
- Tactical Isolation Zones minimize effect of alien noise

Fully compliant with RoHS standards

ANGLED MULTI-PORT PATCH PANEL



TRADITIONAL MULTI-PORT PATCH PANEL



ANGLED, FLAT AND TRACJACK PATCH PANELS

Clarity^{10G} patch panels are available in the traditional panel format with multi-port modules, with the added flexibility of flat or angled versions. Utilizing innovative methods for circuit isolation, the Clarity^{10G} multi-port patch panels support the alien crosstalk requirements of IEEE 10G and TIA Category 6A cabling specifications without requiring the use of individual jacks for your panel termination. Clarity^{10G} multi-port panels support traditional termination practices with mechanical accommodations for easy termination of the larger conductors of 10 Gig cables, providing a labor-saving alternative to the individual jack panel.

We also offer a Clarity^{10G} individual jack panel, which holds 24 Clarity^{10G} TracJacks to provide an alternative horizontal cross connect solution for 10 Gigabit Ethernet networks. ■

INDIVIDUAL TRACJACK PATCH PANEL



FEATURES

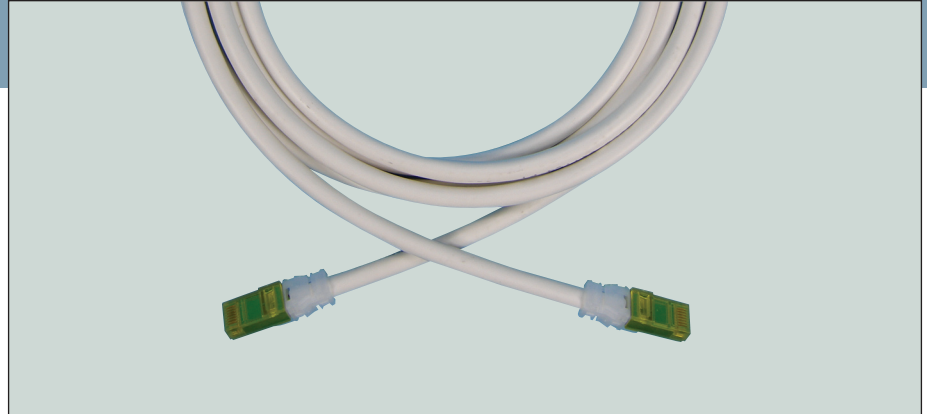
- More transparent signal path with Clarity^{10G} cords
- Standard termination practice—110 tool
- IDC towers designed to accept larger 10 Gig cable conductors
- Easy-to-follow universal wiring label is quick and user-friendly to eliminate confusion
- High density panels include label fields and rear cable management
- Meets TIA T568B.2-10 Category 6A component specifications
- Backwards compatible to Category 6 and Category 5e

ORDERING INFORMATION

DESCRIPTION	PART NO.
24-port Angled Clarity ^{10G} patch panel, T568A/B, 1.75" x 19" (1RU)	OR-PHA610U24
48-port Angled Clarity ^{10G} patch panel, T568A/B, 3.5" x 19" (2RU)	OR-PHA610U48
24-port Flat Clarity ^{10G} patch panel, T568A/B, 1.75" x 19" (1RU)	OR-PHD610U24
48-port Flat Clarity ^{10G} patch panel, T568A/B, 3.5" x 19" (2RU)	OR-PHD610U48
24-port TracJack [®] panel with tactical isolation for 10G, 1.75" x 19" (1RU)	OR-PHDTJA24

NOTE: 10G TracJacks sold separately.

TracJacks® and Patch Cords



TRACJACKS

Clarity^{10G} TracJacks exceed all TIA Category 6A component requirements in addition to being characterized out to 500 MHz, addressing all IEEE 802.3 target frequencies. They support standard 110 termination practices with mechanical accommodations for easy termination of the larger conductors of 10 Gig cables. These front-loading jacks can be used in any TracJack® workstation outlet or in the Clarity^{10G} individual jack panel. ■

FEATURES

- More transparent signal path with Clarity^{10G} cords
- Standard termination practice—110 tool
- New low emission IDC contacts
- TracJack IDC towers designed to accept larger 10 Gig cable conductors
- TracJacks feature an easy-to-follow universal wiring label that is quick and user-friendly
- Jacks fit in all TracJack plates and housings
- Icon compatible, “10” marking on jack face
- Jacks available in ten colors
- Clarity^{10G} TracJacks can be installed in the OR-PHDTJA24 patch panel

PATCH CORDS

Clarity^{10G} patch cords combine 10 Gig performance with the flexibility of stranded conductor cordage for increased flexibility and ease of cable management. MC610 (10 Gig) patch cord assemblies combine with TJ610 jacks and panels to deliver reliable 10 Gig channel performance. ■

FEATURES

- Stranded conductor 10 Gig patch cords for greater flexibility
- More transparent signal path with Clarity^{10G} jacks and patch panels
- 100% factory tested for performance, reliability and long life

ORDERING INFORMATION

DESCRIPTION	EXIT	PART NO.
TracJack Clarity ^{10G}	180°	OR-TJ610

NOTE: Standard color is fog white. To order other standard colors add suffix on TracJacks: -00=black, -36=blue, -42=red, -43=orange, -44=yellow, -45=green, -68=Wiremold® gray, -88=cloud white, -99=Wiremold® ivory.

ORDERING INFORMATION

DESCRIPTION	LENGTH	PART NO.
Modular Cord, white, Clarity ^{10G}	3 ft.	OR-MC61003-09
	5 ft.	OR-MC61005-09
	7 ft.	OR-MC61007-09
	9 ft.	OR-MC61009-09
	15 ft.	OR-MC61015-09
	25 ft.	OR-MC61025-09

Note: To order other standard colors change suffix on MC cords: -02=red, -04=yellow, -05=green, -06=blue, -08=gray, -09=white, -00=black.

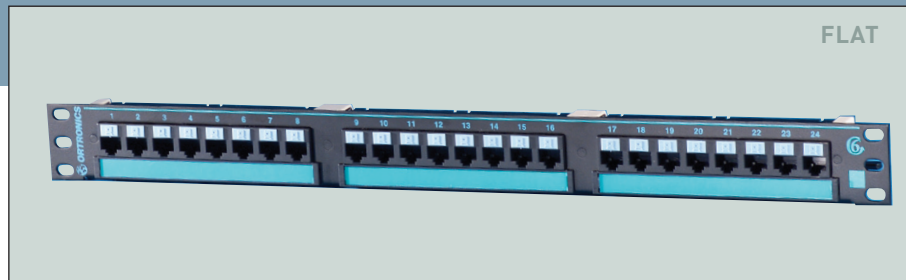
Clarity⁶ and Clarity^{5E}



Clarity[®] elevated copper solutions marked an evolutionary advancement in UTP and FTP Category 6 and Category 5e connectivity. ETL verified to Category 6 and 5e component standards, Clarity components utilize center tuned connector technology to provide significant elevation of channel performance that is field-measurable. Clarity solutions include patch panels, patch cords, TracJack[®] and Series II[®] workstation modules, and 110 cross-connect systems.

FEATURES

- Clarity⁶ connectivity meets TIA/EIA 568B.2-1 Category 6 component requirements
- Clarity^{5E} connectivity meets TIA/EIA 568B.2 Category 5e requirements
- Center tuned connectivity for improved channel performance



CLARITY⁶ PATCH PANELS

Ortronics Clarity⁶ standard and high density patch panels utilize center tuned technology to exceed TIA Category 6 component compliance requirements and are precision tuned to the same optimized value as Clarity⁶ patch cords. This maximizes each mated union for significantly improved cross talk and return loss performance that is field measurable in the link or channel. Clarity⁶ patch panels are available in flat, angled or curved versions. ■

ANGLED PATCH PANELS

Ortronics angled Clarity⁶ patch panels offer a new slant to patch cord management. Built around



the elevated performance of Clarity⁶, these high density patch panels utilize a unique, patented, recessed angle design to help direct cords more easily to vertical rack or cabinet management within a lower profile. This design provides a better alternative for installations which have limited rack space for horizontal management. ■

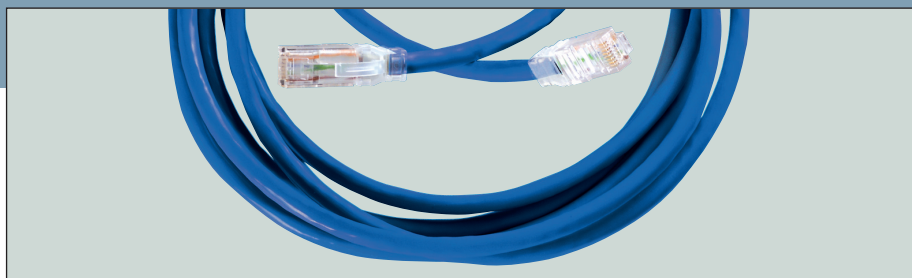
CURVED PATCH PANELS

Ortronics curved Clarity⁶ patch

panels offer yet another alternative for patch cord management. Built around the elevated performance of Clarity⁶, these high density patch panels feature a new look, utilizing a patent pending, recessed curved design. This design helps direct cords to vertical rack or cabinet management within a lower profile and provides another alternative for installations which have limited rack space for horizontal management. ■

FEATURES

- Meets Category 6 component specifications TIA/EIA-568-B.2
- ETL 3rd party component tested and verified
- Mated union with Clarity⁶ cords is more transparent to signal
- New low emission IDC contacts for better noise protection and improved return loss
- Supports standard termination practice—110 impact tool
- Universal T568B and T568A wiring
- Available in 6 or 8 port groupings
- Easy lace IDCs and easy to follow wiring labels
- Supplied label fields
- Icon compatible
- Includes rear cable management
- Available in high and standard density



PATCH CORDS

Clarity⁶ patch cords utilize center tuned technology and Ortronics' patented Paralign 2 termination technique to achieve elevated channel performance that can be field measured. Clarity⁶ cords are ETL verified to Category 6 component standards. ■

FEATURES

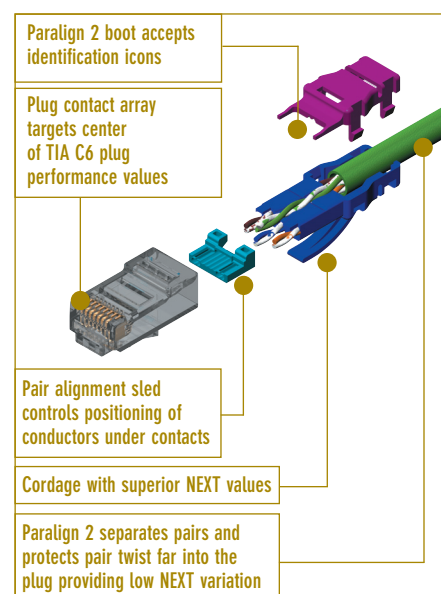
- Transparent to signal with Clarity⁶ jacks and panels
- Plug targets TIA center values, paired bi-level contact array
- Snagless plug design provides bend radius support
- Precision performance stranded conductor cordage
- Available in 7 standard colors

ORDERING INFORMATION

DESCRIPTION	PART NO.
ANGLED, HIGH DENSITY 6 PORT PATCH PANELS	
24-port, Category 6, T568A/B, 1.75" x 19" (1RU)	OR-PHA66U24
48-port, Category 6, T568A/B, 3.5" x 19" (2RU)	OR-PHA66U48
CURVED, HIGH DENSITY 6 PORT PATCH PANELS	
24-port, Category 6, T568A/B, 1.75" x 19" (1RU)	OR-PHC66U24
48-port, Category 6, T568A/B, 3.5" x 19" (2RU)	OR-PHC66U48
FLAT, HIGH DENSITY 6 PORT PATCH PANELS	
24-port, Category 6, Universal A/B, 1.75" x 19" (1RU)	OR-PHD66U24
48-port, Category 6, Universal A/B, 3.5" x 19" (2RU)	OR-PHD66U48
96-port, Category 6, Universal A/B, 7" x 19" (4RU)	OR-PHD66U96
FLAT, STANDARD DENSITY 6 PORT PATCH PANELS	
12-port, Category 6, Universal A/B, 1.75" x 19" (1RU)	OR-PSD66U12
24-port, Category 6, Universal A/B, 3.5" x 19" (2RU)	OR-PSD66U24
48-port, Category 6, Universal A/B, 5.25" x 19" (3RU)	OR-PSD66U48
96-port, Category 6, Universal A/B, 10.5" x 19" (6RU)	OR-PSD66U96
FLAT, HIGH DENSITY 8 PORT PATCH PANELS	
24-port, Category 6, Universal A/B, 1.75" x 19" (1RU)	OR-PHD68U24
48-port, Category 6, Universal A/B, 3.5" x 19" (2RU)	OR-PHD68U48
96-port, Category 6, Universal A/B, 7" x 19" (4RU)	OR-PHD68U96

NOTE: See pg. 12 for new Clarity individual jack panels and 48 port 1RU panels.

TECHNOLOGICAL ADVANCEMENTS



ORDERING INFORMATION

DESCRIPTION	LENGTH	PART NO.
Modular cord blue, Clarity ⁶	3 ft	OR-MC603-06
	5 ft	OR-MC605-06
	7 ft	OR-MC607-06
	9 ft	OR-MC609-06
	15 ft	OR-MC615-06
	25 ft	OR-MC625-06

Note: To order other standard colors change suffix on MC cords: -02=red, -04=yellow, -05=green, -06=blue, -08=gray, -09=white, -00=black.

TracJacks and Series II Modules



TRACJACKS

Clarity[®] TracJacks feature the improved performance of center tuned Category 6 connector technology, combined with the ease and reliability of a front-loading individual jack with 110 termination. Clarity TracJacks utilize enhanced IDC designs that make it easier to terminate while reducing the size of the jack. Universal wiring makes these jacks compatible with T568A/B. ■

FEATURES

- Low emission IDC contacts
- Supports standard termination practice—110 impact tool
- Retention enhanced IDC contacts hold laced conductors in position until punch down
- Easy to follow universal wiring label
- Flush TracJack available in 18 colors. Angled TracJack available in 13 colors

SERIES II MODULES

Clarity Series II modules provide the ease and reliability of the rugged, front-loading Series II footprint with linear 110 termination. These modules are precision targeted to Clarity⁶ patch cords for optimum performance that is field measurable in the link or channel.

The Series II modules include mechanical improvements that make it easier to terminate, protecting the

printed circuit board and reducing the depth of the module. Series II is a front removable, snap-in module footprint that makes moves, adds, and changes easy with a wide variety of interfaces, surface boxes or faceplates. ■

FEATURES

- Icon compatible, C6 marking on face of module
- Easy to follow T568A and T568B wiring label, quick and user-friendly
- Fits in all Series II plates and housings

ORDERING INFORMATION

DESCRIPTION	EXIT	PART NO.
TracJack, Category 6, 8-position, T568A/B wiring, fog white	180°	OR-TJ600
	45°	OR-TJ645

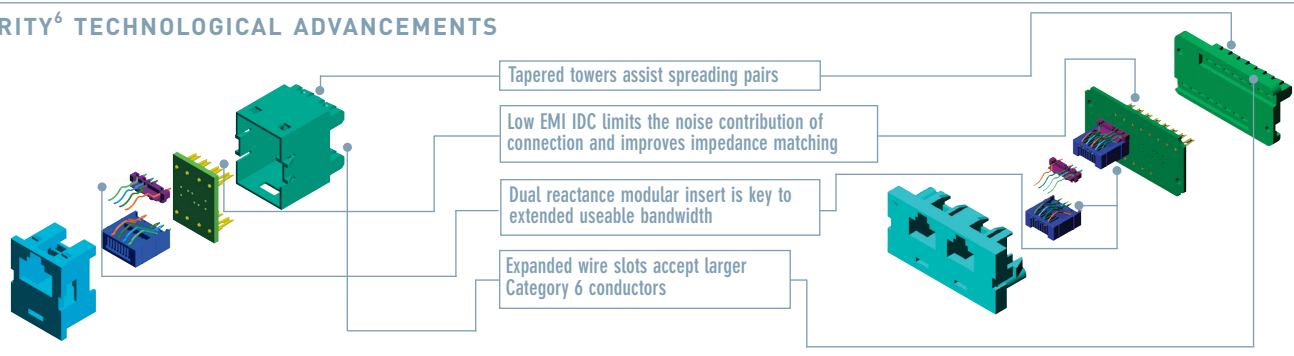
NOTE: Series II modules are also available in -99=Wiremold[®] ivory, -88=cloud white and -00=black.

ORDERING INFORMATION

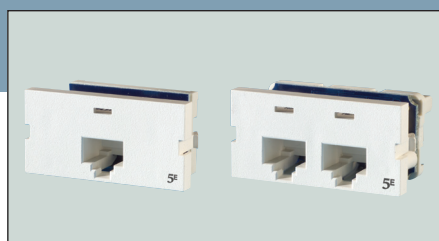
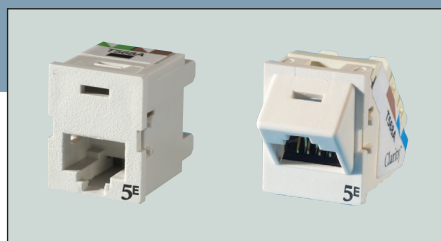
DESCRIPTION		EXIT	PART NO.
Series II, Category 6, 8-position, T568A/B wiring, fog white	single	180°	OR-S21600
	dual	180°	OR-S22600

NOTE: Standard color is fog white. TracJacks are also available in: -13=electrical ivory, -36=blue, -42=red, -43=dark orange, -44=dark yellow, -45=dark green, -68=Wiremold[®] light gray, -78=Wiremold[®] gray, -88=cloud white, -99=Wiremold[®] ivory, and -00=black. To order other colors, add suffix to part number.

CLARITY⁶ TECHNOLOGICAL ADVANCEMENTS



TrackJacks and Series II Modules



TRACJACKS

Ortronics Clarity^{5E} flush and angled TracJacks exceed TIA Category 5e component compliance and are center tuned to Clarity^{5E} patch cords. TracJacks offer the ease and flexibility of a front-loading jack with 110 termination. ■

FEATURES

- Meets Category 5e component specifications TIA/EIA-568-B.2
- ETL 3rd party component tested and verified
- Mated union with Clarity^{5E} cords is more transparent to signal
- Low emission IDC contacts for better noise protection and improved return loss
- Supports standard termination practice—110 impact tool
- Easier termination with retention-enhanced IDC contacts that hold laced conductors in position until punch down
- Easy to follow universal wiring label
- Fits in all TracJack plates and housings
- Icon compatible, 5E marking on jack face
- Broad selection of colors

SERIES II MODULES

Clarity^{5E} Series II modules exceed TIA Category 5e component compliance requirements and are center tuned to Clarity^{5E} patch cords. Series II modules provide the ease and reliability of a front-loading module with linear 110 termination. ■

FEATURES

- Meets Category 5e component specifications TIA/EIA-568-B.2
- ETL 3rd party component tested and verified
- Mated unions with Clarity^{5E} cords are more transparent to signal
- New low emission IDC contacts for better noise protection and improved return loss
- Supports standard termination practice—110 impact tool
- Traditional linear 110 punch down sequence
- Mechanical improvements for easier termination and reduced depth of the module
- Easy lace IDCs and easy to follow T568B and T568A wiring labels
- Fits in all Series II plates and housings
- Icon compatible, 5E marking on module face

ORDERING INFORMATION

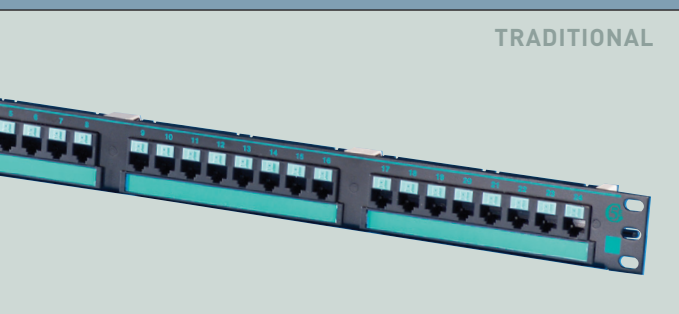
WIRING	PART NO. 180° FLUSH	PART NO. ANGLED
TracJack, T568A/B, fog white	OR-TJ5E00	OR-TJ5E45

NOTE: Standard color is fog white. To order other standard colors add suffix: -13=electrical ivory, -36=dark blue, -42=dark red, -43=dark orange, -44=dark yellow, -45=dark green, -68=Wiremold® light gray, -78=Wiremold® gray, -88=cloud white, -99=Wiremold® ivory, and -00=black.

ORDERING INFORMATION

DESCRIPTION	PART NO.
Series II, 1 unit, 180°, fog white	OR-S215E00
Series II, 2 units, 180°, fog white	OR-S225E00

NOTE: Standard color is fog white. To order other standard colors add suffix: -00=black and -99=Wiremold® Ivory.



TRADITIONAL



ANGLED

CLARITY^{5E} PATCH PANELS

Ortronics Clarity^{5E} standard and high density patch panels utilize center tuned technology to exceed TIA Category 5e component compliance requirements and are precision tuned to the same optimized value as Clarity^{5E} patch cords. This maximizes each mated union for significantly improved cross talk and return loss performance; field measurable in the link or channel. ■

ANGLED PATCH PANELS

Ortronics angled Clarity[®] patch panels offer a new slant to patch cord management. Built around the elevated performance of Clarity[®] and Clarity^{5E} these high density patch panels utilize a unique, patent pending, recessed angle design



CURVED

to help direct cords more easily to vertical rack or cabinet management within a lower profile. This design provides a better alternative for installations which have limited rack space for horizontal management. ■

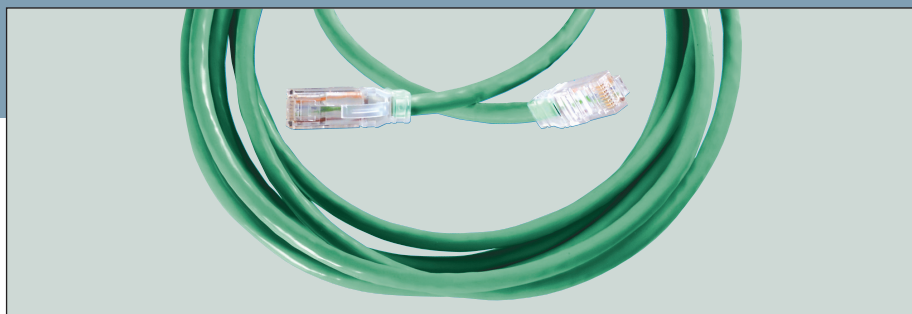
CURVED PATCH PANELS

Ortronics curved Clarity[®] patch panels offer yet another alternative for patch cord management.

Built around the elevated performance of Clarity^{5E}, these high density patch panels feature a new look, utilizing a patent pending, recessed, curved design to help direct cords to vertical rack or cabinet management within a lower profile. This design provides another alternative for installations which have limited rack space for horizontal management. ■

FEATURES

- Meets Category 5e component specifications TIA/EIA-568-B.2
- ETL 3rd party component tested and verified
- Mated union with Clarity^{5E} cords is more transparent to signal
- New low emission IDC contacts for better noise protection and improved return loss
- Supports standard termination practice—110 impact tool
- Universal T568B and T568A wiring
- Available in 6 or 8 port groupings
- Easy lace IDCs and easy to follow wiring labels
- Supplied label fields
- Icon compatible
- Includes rear cable management
- Available in high and standard density



PATCH CORDS

Ortronics Clarity^{5E} patch cords utilize center tuned technology to elevate the performance of Category 5e structured cabling. Clarity^{5E} cords are finely controlled to an optimum center target shared by Clarity^{5E} connecting hardware for heightened performance that is confirmed by factory testing. This ensures an interface with improved signal-to-noise ratio for

a more transparent signal path that is field measurable in the link or channel.

Clarity^{5E} cords use Ortronics' patented Paralign 2 termination technique to maintain pair integrity between the point of exit from the cable jacket and the contact termination. The plug is designed to the center of the range of TIA de-embedded plug values. ■

FEATURES

- Exceeds Category 5e component specifications TIA/EIA-568-B.2
- ETL 3rd party component tested and verified
- Factory tested for Category 5e performance
- Transparent to signal with Clarity^{5E} jacks and panels
- Snagless design also provides bend radius support
- Optimized plug paired bi-level contact array
- Premium performance Category 5e stranded conductor cordage
- Compatible with both T568A and T568B wiring
- Icon compatibility to support TIA 606 standard
- Available in 7 standard colors

ORDERING INFORMATION

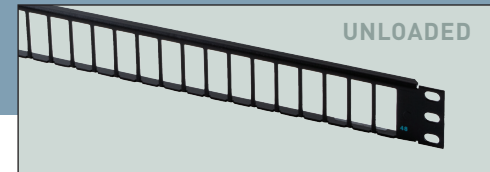
DESCRIPTION	PART NO.
ANGLED, HIGH DENSITY 6 PORT PATCH PANELS	
24-port, T568A/B, 1.75" x 19" (1RU)	OR-PHA5E6U24
48-port, T568A/B, 3.5" x 19" (2RU)	OR-PHA5E6U48
CURVED, HIGH DENSITY 6 PORT PATCH PANELS	
24-port, Category 5E, T568A/B, 1.75" x 19" (1RU)	OR-PHC5E6U24
48-port, Category 5E, T568A/B, 3.5" x 19" (2RU)	OR-PHC5E6U48
FLAT, HIGH DENSITY 6 PORT PATCH PANELS	
24-port, T568A/B, 1.75" x 19" (1RU)	OR-PHD5E6U24
48-port, T568A/B, 3.5" x 19" (2RU)	OR-PHD5E6U48
96-port, T568A/B, 7.0" x 19" (4RU)	OR-PHD5E6U96
FLAT, STANDARD DENSITY 6 PORT PATCH PANELS	
12-port, T568A/B, 1.75" x 19" (1RU)	OR-PSD5E6U12
24-port, T568A/B, 3.5" x 19" (2RU)	OR-PSD5E6U24
48-port, T568A/B, 5.25" x 19" (3RU)	OR-PSD5E6U48
96-port, T568A/B, 10.5" x 19" (6RU)	OR-PSD5E6U96
FLAT, HIGH DENSITY 8 PORT PATCH PANELS	
24-port, T568A/B, 1.75" x 19" (1RU)	OR-PHD5E8U24
48-port, T568A/B, 3.5" x 19" (2RU)	OR-PHD5E8U48
96-port, T568A/B, 7.0" x 19" (4RU)	OR-PHD5E8U96

NOTE: See pg. 12 for new Clarity individual jack panels and 48 port 1RU panels.

ORDERING INFORMATION

DESCRIPTION	LENGTH	PART NO.
Modular Cord, green, Clarity ^{5E}	3 ft	OR-MC5E03-05
	5 ft	OR-MC5E05-05
	7 ft	OR-MC5E07-05
	9 ft	OR-MC5E09-05
	15 ft	OR-MC5E15-05
	25 ft	OR-MC5E25-05

Note: to order other standard colors change suffix on MC cords: -02=red, -04=yellow, -05=green, -06=blue, -08=gray, -09=white, -00=black.



CLARITY⁶ & CLARITY^{5E} MAXIMUM DENSITY PATCH PANELS

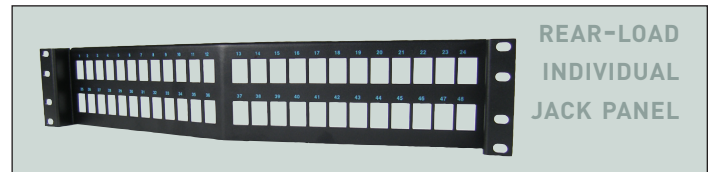
Ortronics new maximum density patch panels offer 48 ports of Clarity 6 or 5E performance in 1 rack unit (1.75" x 19"). Panels are supplied with 24 rear-loading dual port termination (Clarity 6 or 5E) modules. ■

CLARITY 48-PORT MAXIMUM DENSITY UNLOADED PANELS & DUAL JACKS

Ortronics new 48-port maximum density panel kit utilizes Clarity 6 and Clarity 5E dual panel jacks that can be terminated and snapped in from the back of the panel. A variety of panel configurations allow a wide choice of field configurable and easy-to-install horizontal cross connects utilizing only 1 rack unit. The panel is supplied without the jacks. ■

CLARITY REAR-LOAD JACK PANEL KITS

Ortronics new rear-loading individual jack panels utilize reduced-size Clarity⁶ and Clarity^{5E} panel jacks that can be terminated and snap-in from the back of the patch panel. A variety of panel configurations allow a wide choice of field configurable, easy to install horizontal cross connects. Panels are supplied without jacks. Jacks can be ordered individually or in full carton quantities of 24. ■



ORDERING INFORMATION

DESCRIPTION	PART NO.
CLARITY⁶ & CLARITY^{5E} MAXIMUM DENSITY PATCH PANELS	
1 rack unit, 19" x 1.75", maximum density, Clarity ^{5E}	OR-PMD5EU481U
1 rack unit, 19" x 1.75", maximum density, Clarity ⁶	OR-PMD6U481U

NOTE: Panels are also available unloaded. Dual port jacks are ordered separately. (Available in six colors.)

ORDERING INFORMATION

DESCRIPTION	PART NO.
CLARITY 48-PORT MAXIMUM DENSITY UNLOADED PANELS & DUAL MOUNT JACKS	
48-port, maximum density panel, 19" x 1.75", with rear wire management	OR-PM DU481U
Panel jack, dual, Clarity, Category 6, T568A/B, 8 pos, blue, 180°	OR-DJ600
Panel jack, dual, Clarity, Category 5e, T568A/B, 8 pos, blue, 180°	OR-DJ5E00

NOTE: Clarity panel jacks are available in these colors: -36 blue, -42 red, -43 orange, -44 yellow, -45 green. Add tail code to the end of dual jack part number.

ORDERING INFORMATION

DESCRIPTION	PART NO.
REAR-LOAD PANEL & INDIVIDUAL PANEL JACKS (SEE PANEL JACK PART NO. BELOW PANEL NO.)	
24-port, panel jack panel kit, angled, unloaded, 1 rack unit, 19" x 1.75", HD	OR-PHAPJU24
48-port, panel jack panel kit, angled, unloaded, 2 rack units, 19" x 3.5", HD	OR-PHAPJU48
72-port, panel jack panel kit, angled, unloaded, 2 rack units, 19" x 3.5", HD	OR-PHAPJU72
24-port, panel jack panel kit, flat, unloaded, 1 rack unit, 19" x 1.75", HD	OR-PHDPJU24
48-port, panel jack panel kit, flat, unloaded, 2 rack units, 19" x 3.5", HD	OR-PHDPJU48
72-port, panel jack panel kit, flat, unloaded, 2 rack units, 19" x 3.5", HD	OR-PHDPJU72
Panel jack, Clarity, Category 6, T568A/B, 8 pos, black, 180°	OR-PJ600-00
Panel jack, Clarity, Category 5e, T568A/B, 8 pos, black, 180°	OR-PJ5E00-00

NOTE: Clarity panel jacks are available in these colors: -36 blue, -42 red, -43 orange, -44 yellow, -45 green. Add tail code to the end of jack part number.

Clarity[®] Specifications

CLARITY^{10G}

JACKS

Materials

High impact plastic housing
Flame retardant UL[®] 94V-0
MODULAR CONTACTS: beryllium copper, nickel under plating and minimum 50 micro-inches of gold in contact area
IDC CONTACTS: phosphor bronze, nickel under plating with tin over plate. Serve 22-24 AWG
Compatible with 110 impact tool

PANELS

Materials

.094 aluminum, durable black powder coat finish high impact thermoplastic TracJack mounting bezel

CORDS

Materials

8-position modular plug, Polycarbonate housing
Plug IDC contacts phosphor bronze with 50 micro-inch selective gold plating over nickel
Four pair (stranded) UTP non plenum cable, 26 AWG tinned copper, Polyolefin insulation, PVC jacket
Cable diameter .29 inches
Impedance 100 Ohm

Performance

Tested and characterized to 500 MHz
Meets TIA Category 6 component requirements
Meets FCC part 68 subpart F
Meets UL 1863
Jacks rated for 750 plug insertions
Jack contacts exceed 100 gram requirement
Exceeds PoE voltage requirements by 4x
RoHS compliant

RELATED PRODUCTS

Mighty Mo[®] 10 and Mighty Mo 6 cable management racking systems (designed and proven to support the requirements of 10G)

CLARITY⁶

TRACJACK MODULES

Materials

MODULAR CONTACTS: beryllium copper, nickel under plating and minimum of 50 micro-inches of gold in contact area
High impact plastic housing
Flame retardant UL[®] 94V-0
IDC CONTACTS: phosphor bronze, nickel plating with tin over plate. Serve 22-24 AWG

Performance

Meets Category 6 component requirements TIA/EIA-568-B.2-1
Meets FCC part 68 subpart F
Rated for 750 plug insertions
Exceeds 100 gram contact force
UL Listed 1863, file #E131600

Compatible with 110 impact tool
Exceeds IEEE 802.3af DTE power specifications by 500%

SERIES II MODULES

Materials

MODULAR CONTACTS: beryllium copper, nickel under plating and minimum of 50 micro-inches of gold in contact area
High impact plastic housing
Flame retardant UL[®] 94V-0
IDC CONTACTS: phosphor bronze, nickel plating with tin over plate. Serve 22-24 AWG

Performance

Meets Category 6 component requirements TIA/EIA-568-B.2-1
Meets FCC part 68 subpart F
Rated for 750 plug insertions
Exceeds 100 gram contact force
UL Listed 1863, file #E131600
Compatible with 110 impact tool
Exceeds IEEE 802.3af DTE power specifications by 500%

PATCH PANELS

Materials

PANEL: .094" aluminum, durable black powder coat finish
MODULE: high impact plastic housing
MODULAR CONTACTS: beryllium copper, nickel under plating and minimum of 50 micro-inches of gold in contact area
Flame retardant UL[®] 94V-0
Fully encased printed circuitry protection
IDC CONTACTS: phosphor bronze, nickel under plating and tin lead over plate. Serve 22-24 AWG

Performance

Clarity⁶ meets TIA Category 6 component requirements TIA/EIA-568-B.2-1
Meets FCC part 68 subpart F
Rated for 750 plug insertions
Exceeds 100 gram requirement
UL Listed 1863, file #E131600
Exceeds IEEE 802.3af DTE power specifications by 500%

CLARITY^{5E}

JACKS

Materials

High impact plastic housing
Flame retardant UL[®] 94V-0
MODULAR CONTACTS: beryllium copper, nickel under plating and minimum of 50 micro-inches of gold in contact area
IDC CONTACTS: phosphor bronze, nickel plating with tin over plate. Serve 22-24 AWG

Performance

Meets TIA Category 5e component requirements 568B.2
Meets FCC part 68 subpart F
Rated for 750 plug insertions
Exceeds 100 gram requirement

UL 1863 listed, file #E131600
Compatible with 110 impact tool

SERIES II MODULES

Materials

High impact plastic housing
Flame retardant UL[®] 94V-0
MODULAR CONTACTS: beryllium copper with nickel under plating and minimum of 50 micro-inches of gold in contact area
IDC CONTACTS: phosphor bronze, nickel plating with tin over plate. Serve 22-24 AWG

Performance

Exceeds TIA Category 5e component requirements
Meets FCC part 68 subpart F
Rated for 750 plug insertions
Exceeds 100 gram requirement
UL 1863 listed, file #E131600
Compatible with 110 impact tool
Exceeds IEEE 802.3af DTE power specifications by 500%

PANELS

Materials

PANEL: .094" aluminum, durable black powder coat finish
MODULE: high impact plastic housing
Flame retardant UL[®] 94V-0
Full encasement protects printed circuitry
MODULAR CONTACTS: phosphor bronze with nickel under plating and minimum 50 micro-inches of gold in contact area
IDC CONTACTS: phosphor bronze, nickel plating with tin over plate. Serve 22-24 AWG

Performance

Meets Category 5e component specifications TIA/EIA-568-B.2
Meets FCC part 68 subpart F
Rated for 750 plug insertions
Exceeds 100 gram requirement
UL 1863 listed, file #E131600
Compatible with 110 impact tools
Exceeds IEEE 802.3af DTE power specifications by 500%

CORDS

Materials

PLUG HOUSING: clear polycarbonate UL[®] 94V-0
PLUG CONTACTS: copper alloy with 50 micro-inch gold plating on mating surfaces
CORDAGE: premium Category 5e stranded cable, 4 pair 24 AWG, PVC jacket

Performance

Meets TIA Category 5e component requirements [568B.2]
Meets FCC part 68 subpart F
Cable assembly, UL[®] listed
Rated for 750 plug insertions
Plug & termination meet FCC part 68 and IEC 60603-7

ALL CLARITY COMPONENTS ARE
ROHS COMPLIANT



CANADA
570 Applewood Crescent
Vaughan , Ontario L4K 4B4
905-738-9195

125 Eugene O'Neill Drive
New London, CT 06320
800-934-5432
860-445-3900 (sales)
860-405-2992 (fax)
www.ortronics.com

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