



Description

HCS DataLink unshielded copper RJ-45 to iPass patch panel series includes high performance 24-Port and 48-Port Category 5E panels specially designed for data-centers and structured premise cabling in local area networks (LANs). HCS iPass to RJ-45 patch panels consist of 12-port (4 x 6) or 12-port preterminated cassettes loaded into a 1U Rack Mount Enclosure. The cassettes slide easily in and out of the panels, allowing fast installation. The Simple cassette design allows for fast upgrades or expansion of systems with minimum installation time. All cassettes are 100% factory tested, enabling flexible configuration and cost effective installation, while minimizing the need for on-site testing. 6-port cassettes have one iPass port, 12-port cassettes have two iPass Ports. Pre-terminated iPass to iPass 25 pair Category 5E cables (1-90 meter length) can be connected to iPass ports at the back side of cassettes. All panels fully conform to and provide a substantial margin above all ANSI/TIA-568-C.2 Category 5E, CENELEC EN 50173 and ISO/IEC-11801 (2nd Edition) requirements. The HCS Logo and the DataLink 100E Trademark ensure long lasting high-performance and full support of all relevant applications up to 1000BASE-T (Gigabit-Ethernet).

Applications

HCS DataLink 100E unshielded copper RJ-45 to iPass patch panels are used mainly in data-centers and telecommunications rooms and they fully support the following protocols

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> 1000BASE-T (Gigabit-Ethernet) | <input checked="" type="checkbox"/> 100BASE-TX | <input checked="" type="checkbox"/> Broadband and Baseband Video |
| <input checked="" type="checkbox"/> ATM 155 | <input checked="" type="checkbox"/> Token Ring 100 Mbps | <input checked="" type="checkbox"/> ISDN Basic and Primary Access |
| <input checked="" type="checkbox"/> TP-PMD | <input checked="" type="checkbox"/> ATM 52 | <input checked="" type="checkbox"/> 1BASE-5 Starlan |
| <input checked="" type="checkbox"/> 100BASE-T Fast Ethernet | <input checked="" type="checkbox"/> ATM 25 | <input checked="" type="checkbox"/> ISALAN |
| <input checked="" type="checkbox"/> 100BASE-T2 | <input checked="" type="checkbox"/> 10BASE-T Ethernet | <input checked="" type="checkbox"/> ITU V.21 and X.11 |
| <input checked="" type="checkbox"/> 100BASE-T4 | <input checked="" type="checkbox"/> Token Ring 4 Mbps and 16 Mbps | |

Qualifications and Approvals

HCS DataLink 100E panels are supported by the Century™ Lifetime Warranty and by the DoubleSafe™ QA program as a part of complete HCS cabling system. HCS DataLink 100E panels comply to the following standards:

TRANSMISSION

- ANSI/TIA-568-C.2
- ISO/IEC-11801 (2nd Edition)

EMC

- EN-55022, Class B (Europe)
- FCC Part 15, Class A (USA)

SAFETY

- UL94 V-0 plastic materials
- Zero-halogen in LS0H constructions.

Benefits & Features

- ➔ Exceptional material properties and design - Providing a unique Century™ Lifetime Warranty.
- ➔ Detailed installation manual in English and Turkish - Providing clear and comprehensive instructions.
- ➔ Exceeding Category 5E performance - Providing full support to Gigabit Ethernet.
- ➔ High quality metal casing - Providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation and maximizing noise immunity.
- ➔ Robust and installer-friendly design - Providing reduced installation and operating costs
- ➔ Unique DoubleSafe™ Quality Assurance Program - Providing lowest rejection rate available.

General Properties : Panel & Cassettes

Material of Construction	Cold rolled steel, 1.5 mm thickness
Paint and Standard Color	Black, Powder paint finish or plastic front.
Storage Temperature Range	-40 to +70C
Operation Conditions	-20 to +60C at 0-90% RH (Non condensing)
Packaging	One unit per box.

General Properties: Cassettes RJ-45 receptables

Housing Material	Thermoplastic Rated UL94 V-0.
Jack spring contact coating	1.27µm (50µ-Inch) hard Gold over 2.54µm (100µ-Inch) Nickel plating
Plug Retention Force	49N minimum.
Plug to Jack Contact Force	100 grams min. (using HCS approved plug).
Plug Insertion Durability	750 mating cycles

General Properties: Cassettes iPass receptables

Housing Material	Zinc Alloy
Contact Material	Copper Alloy
Contact Plating	1.27µm (50µ-Inch) hard Gold over 2.54µm (100µ-Inch) Nickel plating
Insertion Force	60 N

General Properties - Distribution Cable Assembly

Conductor Size	24AWG solid bare copper
MAX OD	12.7mm
Jacket	PVC or LS0H
Temperature Range	-20 to +60C at 0-90% RH (Non condensing)
Flame Performance	Conforming to IEC 60332-1

General Properties - iPass Plug Connector

Housing	Zinc Alloy
Contact Material	FR4 PCB
Contact Pad Plating	PVC or LS0H
Insertion Force	1.27µm (50µ-Inch) hard Gold over 2.54µm (100µ-Inch) Nickel plating
Flame Performance	60 N