



### Description

HCS DataLink 100E patented unshielded copper RJ-45 Surface Mount Box (SMB) series includes pre-loaded boxes with high performance Category 5E 8-position/8-contact (8P8C) jacks conforming to IEC 60603-7-2 (unshielded 100 MHz connectors). HCS DataLink 100E SMB are available in simplex (single) or duplex (double) formations, with 110 IDC back interconnection blocks in T568A, T568B or Universal pin/pair assignment, with built-in shutters (dust cover) and with a range of attractive colors. All jacks fully conform to 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, including 1000BASE-T (Gigabit-Ethernet).

### Applications

HCS DataLink 100E unshielded copper RJ-45 SMBs fully support all relevant LAN applications, including 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 SMBs are supported by the Century™ Lifetime Warranty and by the DoubleSafe™ QA program as a part of complete HCS cabling system. HCS DataLink 100E SMBs comply to IEC 60603-7-2 (unshielded 100 MHz connectors) and to the following standards:

#### TRANSMISSION

- ANSI/TIA/568-C.2
- ISO/IEC-11801

#### EMC

- EN-55022, Class B (Europe)
- FCC Part 68

#### SAFETY

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

### Benefits & Features

- ➔ Exceptional material properties and design - Providing a unique Century™ Lifetime Warranty.
- ➔ Box covers include covered labeling and snap-in colored icons - Providing elegant and professional outlet identification.
- ➔ All boxes equipped with 3-side knock-out entries - Providing easier cable access from any direction.
- ➔ All boxes supplied with built-in shutters - Providing efficient dust protection in harsh environments.
- ➔ Patented 90° design keystone jacks - Providing easier access, better and faster wire connection.
- ➔ Detailed installation manual in English and Turkish - Providing clear and comprehensive instructions.
- ➔ Exceeding Category 5E performance - Providing full support to Gigabit Ethernet.
- ➔ Robust and installer-friendly design - Providing reduced installation and operating costs
- ➔ Compatible with 22-26 AWG solid or stranded conductors - Providing support to a wider range of cabling types.
- ➔ Available in T568A, T568B or Universal pin/pair assignment - Providing a wider product range.
- ➔ Unique DoubleSafe™ Quality Assurance Program - Providing lowest rejection rate available.

### GENERAL PROPERTIES

Box Material	High impact, Flame-retardant plastic compound, UL 94 V-0.
Housing Material	High impact, Flame-retardant plastic compound, UL 94 V-0.
Jack Contacts Material	50 micro-inches gold plating over 100 micro-inches nickel plated copper alloy.
Environmental Conditions	-40 to +60C at 0-90% RH (Non condensing)
Packaging	50 or 100 Units per box.
Plug Retention Force	14 Kgf (140N) min.
Plug to Jack Contact Force	100 gr min. (using HCS approved plug).
Storage Temperature	-20 to +80C
Plug Insertion Durability	750 mating cycles
Conductor Compatibility Range	22 to 26 AWG, solid or stranded
Standard Color	White RAL 1013. Other colors available upon request.