



Surface Mounting boxes are a part of SCS horizontal subsystems. They designed for connection of terminal equipment on the workplaces. Structurally, the outlet can be made in two versions: as a complete solution with build-in PCB with IDC and RJ45 ports and as a universal mounting box with a set of separately installed Keystone jacks. Surface Mount Box with build-in PCB are less versatile, but more affordable solution.

NIKOMAX wall outlets are made in strict design cases with durable plastic. They are supplied as a complete, ready to use solution.

SMBs with build-in PCB are supplied in shielded and unshielded versions, categories 5e and 6 and can offer a good transmittion characteristics. Contacts in the RJ45 sockets protected with 50 microinch gold plating. Flush contacts (IDC) compatible with both types of knives (110 & KRONE), making them easy for install with punch down tool.

The Surface Mounting Boxes housing provides additional break out windows, allowing to bring the cables from any side. All covers are supplied with paper labels and additional colored icons for marking and administrative convenience.

### Ordering Table

| P/N        | Category | Number of ports | Individual Package |          | Collective Package |                |            | Freight Package |                |            |
|------------|----------|-----------------|--------------------|----------|--------------------|----------------|------------|-----------------|----------------|------------|
|            |          |                 | Volume, m3         | Mass, kg | Quantity           | Dimensions, mm | Weight, kg | Quantity        | Dimensions, mm | Weight, kg |
| NMC-WO1UE6 |          | 1               | 0.00008            | 0.04     | 40 pcs.            | 190x160x280    | 1.6        | 240 pcs.        | 585x280x345    | 10.5       |

## Detailed characteristics

| Characteristic                      | Value  |
|-------------------------------------|--|
| Category                            | 6  |
| Bandwidth, MHz                      | 250  |
| Type                                | Unshielded   |
| Compliance                          | ISO/IEC 11801, EN 50173 and ANSI/TIA-568-C.2   |
| Supported applications              | 10BASE-T, 100BASE-TX, 100BASE-T4, 1000BASE-T, ATM-25, ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive |
| Temperature ranges                  | Storage -40 to +70°C. Installation from 0 to +50°C. Operating from -10 to +60°C  |
| Individual packing                  | Plastic bag  |
| Warranty                            | Extended - 5 years. 25 years - as part of the NIKOMAX structured cabling systems.                                      |
| Connector type                      | RJ45/8P8C  |
| Connector material in connector     | Phosphor bronze  |
| Contact coating material            | Gold (50 micro-inch) Nickel (100 micro-inch)   |
| Number of cable connections         | Not less than 750 times  |
| Layout diagram                      | T568A/B  |
| IDC Contact material                | Phosphor bronze  |
| IDC coating material                | Tin (100 micro-inch)   |
| Installation                        | Wall   |
| Insulation resistance               | Not less than 500 megohms (at constant voltage of 100 V)   |
| Maximum load-bearing capacity       | Up to 1000 V, 60 Hz for 1 minute   |
| Contact resistance, $\mu\Omega$     | No more than 20 M ohms   |
| IDC Contact resistance, $\mu\Omega$ | No more than 2.5 M ohms  |
| Permissible diameter of conductors  | ~24-22 AWG (0.50-0.65 mm)  |
| Format                              | Keystone Jack  |
| Dimensions (WxHxD), mm              | 40x70x30   |
| Number of ports                     | 1  |
| Type of IDC contacts (seal)         | 110 / KRONE  |
| Socket housing material             | High strength, non-flammable, meets UL94V-0  |
| Color of the case                   | White  |