

# CAT6A Unshielded Ethernet Module

This CAT6A unshielded module features an optimized compensation design on its PCB for a higher margin index. Its tool-free termination and elastic dustproof door provide convenient and fast installation while preventing foreign object entry.



## Product Overview

### High-Performance Connectivity

This CAT6A Unshielded Ethernet Module is engineered for high-speed data transmission in structured cabling environments. Designed to support up to 10 Gigabit Ethernet applications, it offers robust construction and reliable performance. With easy termination and compliance with major international standards, it is an ideal component for professional network infrastructure.

## Standards & Compliance

Reference Standards	YD/T 926.3, IEC 60603-7, ANSI/TIA-568.2-D, ISO/IEC 11801
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## Material Composition

### Material Specifications

Component	Material
Pin	Phosphor bronze, 50 ½ gold plated
IDC Reed	Phosphor bronze, tinned 200 ¼"
Plastic Parts	ABS+PC (UL 94V-0 compliant)

## Physical Parameters

Plug Life	1000 times
Wiring Life	250 times
Working Temperature	-10 °C to 60 °C
Storage Temperature	-40 °C to 60 °C
Relative Humidity	10% - 90%

## Electrical Parameters

### Insulation Resistance

**500 M $\Omega$**

Insulation Resistance

Withstand Voltage	1000 VAC
DC Current Rating	1.5 Amps
DC Resistance	100 m $\Omega$
Contact Resistance	20 m $\Omega$