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NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 48022.3-2026

Road vehicles-In-vehicle Ethernet-Part 3:Optical 1-Gbit/s physical entity requirements and conformance test plan

道路车辆 车载以太网 第3部分：1 Gbit/s光纤物理实体要求和一致性测试规程

(English Translation)

Issued on: September 28, 2026 **Implemented on: April 1, 2027**

Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC

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https://chinastandards.org/standards/gb-t-48022-3-2026

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1 Foreword

GB/T 48022.3-2026 was issued by State Administration for Market Regulation; Standardization Administration of the PRC on 28 September 2026 and has been in force since 1 April 2027.

It is one of 5 parts of the GB/T 48022 series.

The GB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

GB/T 48022.3-2026 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 75,626 other GB/T standards.

Of the 47,415 GB/T standards that do carry an ICS number, 3,437 (7%) fall under ICS 77, in the field of metallurgy.

3 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of the PRC

English translation: about 15 pages (approximate)

4 Related standards

Other parts of this standard:

GB/T 48022.1-2026 - Road vehicles - In-vehicle Ethernet - Part 1: General information and

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definitions

GB/T 48022.2-2026 - Road vehicles - In-vehicle Ethernet - Part 2: Common physical entity requirements

GB/T 48022.5-2026 - Road vehicles - In-vehicle Ethernet - Part 5: Optical 1-Gbit/s physical layer system requirements and test plans

GB/T 48022.6-2026 - Road vehicles - In-vehicle Ethernet - Part 6: Electrical 100-Mbit/s physical entity technical requirements and conformance test plan

5 Classification and status

Prefix GB/T: recommended standard.

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