Ixxat®
BY HMS NETWORKS

CANopen Master API

Item number: 1.12.0132.00010

The CANopen® Master API is a software package targeted at rapid development of CANopen master applications on a PC using Windows. This version provides 10 run-time licenses.

Enabling the development of CANopen Master applications (10 licenses)

Features and benefits

✓ **Unlimited data length of service data objects**

Transmit and receive service data objects (SDO) of any size for robust data management.

✓ **Emergency message reception**

Capable of receiving emergency messages, ensuring prompt fault detection

✓ **Network management Master functions**

Offers slave control and monitoring for reliable network management (NMT).

✓ **Efficient configuration file processing**

Processes EDS/DCF and CDC files for easy device configuration

✓ **Immediate data access**

Provides direct processing of remote CANopen device data, reducing latency

✓ **Hardware compatibility**

Compatible with all Ixxat CAN interfaces, supporting multiple boards and channels.

✓ **Versatile handling of process data objects**

Transmit and receive process data objects (PDO) synchronously or asynchronously for flexible process syncing.

✓ **Synchronization object message support**

Supports enhanced synchronization object (SYNC) functionality for precise network synchronization

✓ **Layer setting services fastscan**

Includes layer setting services (LSS) master functions with fastscan for efficient node identification.

✓ **Streamlined firmware**

The master firmware manages CANopen communication, freeing PC resources.

✓ **Cross-platform development**

Comes with example programs for various languages including C#, C++, and LabVIEW.

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Identification and Status

Product ID	1.12.0132.00010
Country of Origin	Sweden
HS Code	Not Applicable
Export Control Classification Number (ECCN)	EAR99
Supply Risk Factor ERP	Used in Volume 01

Certifications and Standards

ETIM Classification	EC000757