Ixxat®
BY HMS NETWORKS

CANopen Master API

Item number: 1.12.0132.00000

The CANopen® Master API is a software package targeted at rapid development of CANopen master applications on a PC using Windows. This version provides 1 run-time license.

Enabling the development of CANopen Master applications (1 license)

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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General

Packed Width (mm)	17
Packed Height (mm)	4
Packed Depth (mm)	13
Packed Weight (g)	15

Identification and Status

Product ID	1.12.0132.00000
Country of Origin	Sweden
HS Code	8523492000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

Contains Battery	No

Certifications and Standards

ETIM Classification	EC000757