FBs-CBCANH   CANopen® Master Gateway

Features

- Mater/Slave
- Heartbeat Error control
- PDO communication
- SDO client and server service
- SDO expedite and segment data transfer
- EasyCANHopener™ configuration utility
- Remote configuration via CBCANH
- Remote Fatek PLC Programming via CBCANH
- NMT master
- Parameter objects for PLC application
- Remote PLC run/stop control

Introduction

FBs-CBCANH is a CANopen master module which acts as a bridge between Fatek PLC and CANopen network. CANopen® network is used nowadays in a very broad range of applications such as machine control, medical devices, off-road and rail vehicles, maritime electronics, building automation, as well as power generation.

FBs-CBCANH provides up to 480 registers for real-time process data (PDO) communication between PLC and other CANopen devices. It also provides up to 1000 parameter objects (register) that can be mapped to infrequently change parameter data in PLC and be accessed via SDO service. With strong master control ability and well-designed slave function, FBs-CBCANH is a low-cost yet decent-performance solution for small scale CANopen® network application.

The operating parameters of CBCANH can be configured locally through the serial port of PLC or remotely via CANopen® network. All configuration works can be done by using the PC utility EasyCANHopener™. No additional tool or network card or adaptor is required.

Specifications

Standard – CAN 2.0A , DS301 V4.02

PDOs (max.) – 60 RXPDOs, 60 TXPDOs async. and sync. mode. Up to 240 input and 240 output registers.

SDOs – 1 SDO server and 1 SDO client

SYNC. Master - Configurable

NMT Master – NMT service or Auto. Start Remote feature

Time Stamp Consumer - Yes

Error Control – Heartbeat

Baud Rate – 20K, 50K, 125K, 250K, 500K, 1M.

Remote Configuration – Yes

Remote Fatek PLC Programming - Yes

Configuration – EasyCANHopener™ software utility

Parameter Objects – Up to 1000 registers

Vendor ID – 2EFh

Power Consumption –5V, 150mA

Operating Temperature –0 ~ 60 ℃

Storage Temperature -20 ~ 80 ℃