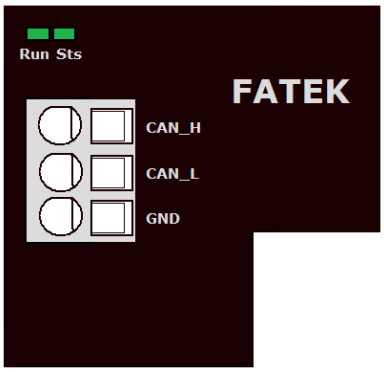
# FBs-CBCAN

## CANopen® Gateway




## Features

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

## Introduction

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

FBs-CBCAN provides up to 80 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 the feature of master/slave two roles operation, the usage of FBs-CBCAN can be a lower cost solution for small scale CANopen® network application.

The operating parameters of CBCAN can be configured locally thru the serial port of PLC or remotely via CANopen® network. All configuration works are done by using the PC utility EzCANopener™ and a Fatek PLC. No additional expensive tool or network card/adaptor is required.

## Specifications

**Standard –** CAN 2.0A , DS301 V4.02

**PDOs(max.)** – 10 x RXPDO, 10 x TXPDO async. and sync. mode. Up to 40 input and 40 output registers.

**SDOs –** 1 x SDO server, 1 x SDO client

**SYNC. Master -** Configurable

**NMT Master** – Operate able

**Time Stamp Consumer** - Yes

**Error Control** – Heartbeat

**Baud Rate** – 10K, 20K, 50K, 125K, 250K, 500K, 750K, 1M.

**Remote Configuration** – Yes

**Remote Fatek PLC Programming** - Yes

**Configuration** – Thru utility program.

**Parameter Objects** – Up to 1000 registers

**Vendor ID** – 2EFh

**Power Consumption** –5V, 150mA

**Operating Temperature** –0 ~ 60 ℃

**Storage Temperature** -20 ~ 80 ℃