

CANopen EX Communication Modules - AGP3000-CA1M and LT3000 CANopen Interface Modules



CA8-CANLT-01
CANopen Master for LT3000

HTB1C0DM9LP
CANopen Slave I/F for EXM I/O

Remove this
Expansion Module

CANopen Communication Modules

Communicate to 3rd party CANopen Devices

EXM Modules supported by HTB CANopen Slave

24V DC

Models: CA8-CANLT-01, HTB1C0DM9LP

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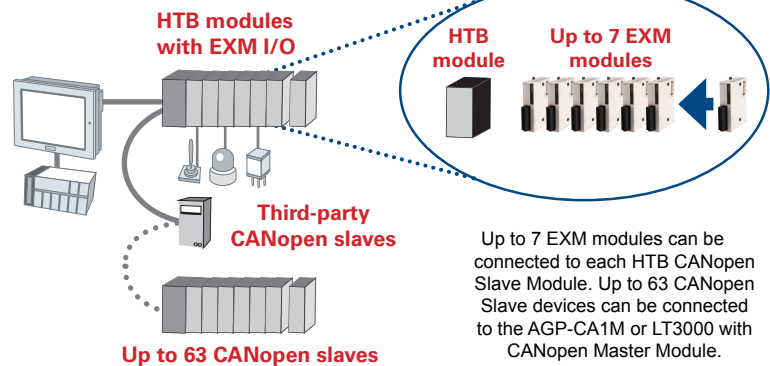
Multiple Combinations Mix and Match GP-Pro EX Compatible

Features:

- Compatible with AGP3000-CA1M and LT3000 models
- Add CANopen Master connectivity to the LT3000 Series
- Enable Pro-face EX I/O Module connectivity using the CANopen Slave Communication Module

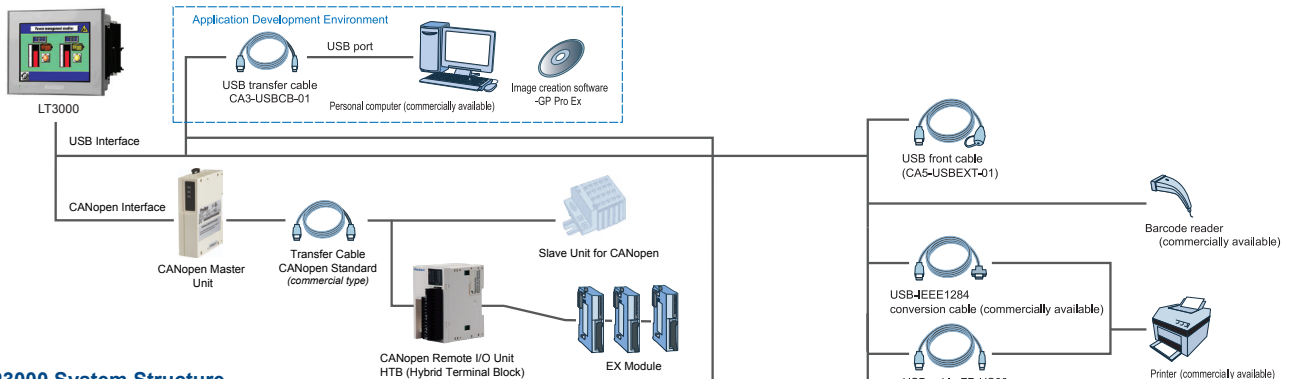
Order Number	Description
CA8-CANLT-01	CANopen Master Module for LT3000 Series
HTB1C0DM9LP	CANopen Slave Module for up to 7 EXM Modules (with built in 12 Digital Inputs, 8 Digital Outputs (2-Transistor & 6-Relay))

CANopen I/O Options

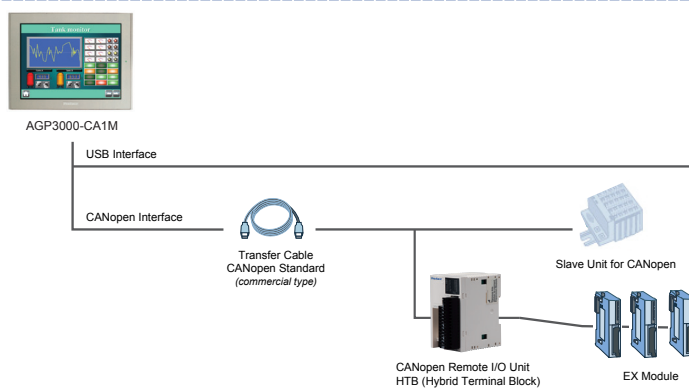


System Structure

LT3000 System Structure



AGP3000 System Structure



CANopen Master Module for LT3000 Series

CA8-CANLT-01 Common Specifications		
CANopen Master	Application layer according to CiA DS301	
Mounting	Clip to back of LT3000 Series (replaces any EX Modules on back of LT3000)	
Communication Type	1:N	
Connection Method	Multi-drop connection	
Communication Method	CSMA/NBA, half duplex serial communication	
Supported message types	PDO (252 RPDO, 252 TPDO), SDO, NMT, SYNC, EMT	
Communication Speed / Distance	Baud Rate	Bus Length
	1,000kbps	20m [65ft]
	800kbps	40m [131ft]
	500kbps	100m [328ft]
	250kbps	250m [820ft]
	125kbps	500m [1640ft]
	50kbps	1000m [3280ft]
Number of Nodes	Up to 63 Slaves devices	
Supported Inputs/Outputs	Discrete / Bit	512 Inputs & 512 Outputs
	Analog / Integer	128 Inputs & 128 Outputs
Connector	D-Sub 9pin Plug	
Power Consumption	2.4W or less	
Weight	0.5kg [1.1lb]	
External Dimensions	W 23.5mm [0.93in] X H 90mm [3.54in] X D 71mm [2.80in] (without connector)	
EDS File	available on www.hmisource.com/otasuke	
Configuration Software	GP-Pro EX V2.20 or newer	

Software Compatibility



Powered by
Screen Editor
GP-Pro EX

HMI Development Software
(Version 2.20 or newer)

HTB1C0DM9LP CANopen Slave I/F for EX I/O Modules

HTB1C0DM9LP Common Specifications		
No. of EX Modules that can be connected	Up to 7 units per HTB	
Input Voltage	DC24V	
Rated Voltage	DC20.4 to 26.4V (including ripple)	
Power Consumption	19W (Communication module with (max.) 7 EX modules.)	
Installation Configuration	Attachment via 35mm DIN rail	
Weight	185g [0.4lb] max. (unit only)	
Input Specifications		
Input Points	12 points with common line	
Input Type	Source / Sink input	
Rated Input Current	5mA / input (DC24V) (Inputs 0, 1, 6, 7), 7mA / input (DC24V) (Inputs 2 to 5 & 8 to 11)	
Input Impedance	5.0kΩ (Inputs 0, 1, 6 & 7), 3.4kΩ (Inputs 2 to 5 & 8 to 11)	
Input Delay Time	OFF→ON	35μs + filter value (Inputs 0, 1, 6, 7), 40μs + filter value (Inputs 2 to 5 & 8 to 11)
	ON→OFF	45μs + filter value (Inputs 0, 1, 6, 7), 150μs + filter value (Inputs 2 to 5 & 8 to 11)
Isolation Method	"Between input terminals : not isolated Internal circuit : photocoupler isolated (isolation protection put to AC500V rms)"	
Output Specifications (Q0 , Q1)		
Output Points	2 points	
Output Type	Source output	
Common Design	2 points / 1common	
Maximum Load Current	1A per common line	
Voltage drop (on voltage)	DC1V (max.) (voltage between COM and output terminals when output is on)	
Output Delay Time	OFF→ON	5μs (max.)
	ON→OFF	5μs(max.)
Isolation Method	Between output terminal and internal circuit : photocoupler isolated (isolation protection up to AC500 V rms), Between output terminals: not isolated	
Output Specifications (Q2~Q7)		
Output Points	6 points	
Output Type	Relay output	
Common Design	COM1 : 3 , NO contacts, COM2 : 2 , NO contacts, COM3 : 1 , NO contacts	
Maximum Load Current	2A per output , 8A per common line	
Dielectric strength	Between output to internal circuit: AC1500Vrms, 1min. Between output to terminals (COMs): AC750Vrms, 1min.	
Output Delay Time	OFF→ON	10ms(max.) (Bounce time not included)
	ON→OFF	5ms(max.) (Bounce time not included)

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