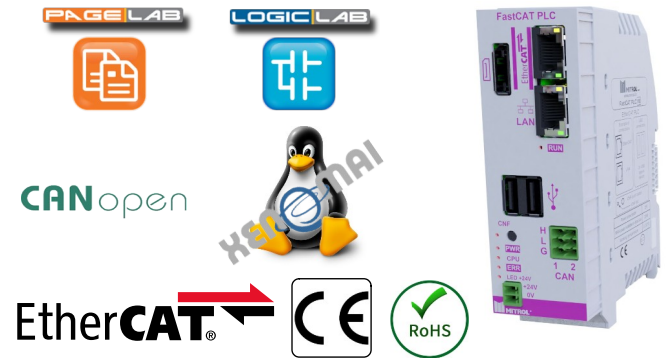




## Introduction

FastCAT PLC is a PLC/CNC featuring an EtherCAT master and a 2 channels CAN master or one master and one slave.

The integration of an EtherCAT coupler allows to manage up to 16 MTBus local I/O modules in the same DIN rail, following the FastCAT philosophy.



## Hardware Specification

Feature	
Supply voltage	24Vdc typ (range 18..36V)
Fieldbus	EtherCAT Master, CAN master/slave
Local bus MTBus rate	Up to 10MHz
EtherCAT Data transfer medium / rate	EtherCAT cable min. Cat 5 shielded / 100Mbit
EtherCAT Distance between stations	Max. 100m
EtherCAT Bus interface	RJ45
CAN Ports – Max Speed	1 Master + 1 Master / Slave – 1 Mbps
CPU / RAM / Flash	IMX6 / 1GB / 4GB
USB 2.0 Port	2
Electrical	
Power consumption PLC	4,5W
Power consumption with 16 I/O modules	20W max
Local IO Interface	Proprietary MTBus – Max 16 total modules (max 8 Analog)
Stripping length	8-9mm
Specification	EN 61131-2
Diagnostic leds – PLC (ARM)	Power, CPU run, Error, LAN Link, LAN Activity
Diagnostic leds – EtherCAT Coupler/Master	Power, CPU run, Error EtherCAT run, Internal Status, EtherCAT Link/Act, CNF, 24V
CNF push botton	Configuration modules on MTBUS
RST push botton (* see below for detail)	Press during boot: First time step (blink ALE led): PLC does not start. Second time step (ALE led ON) : PLC does not start and configure static IP 192.168.100.51

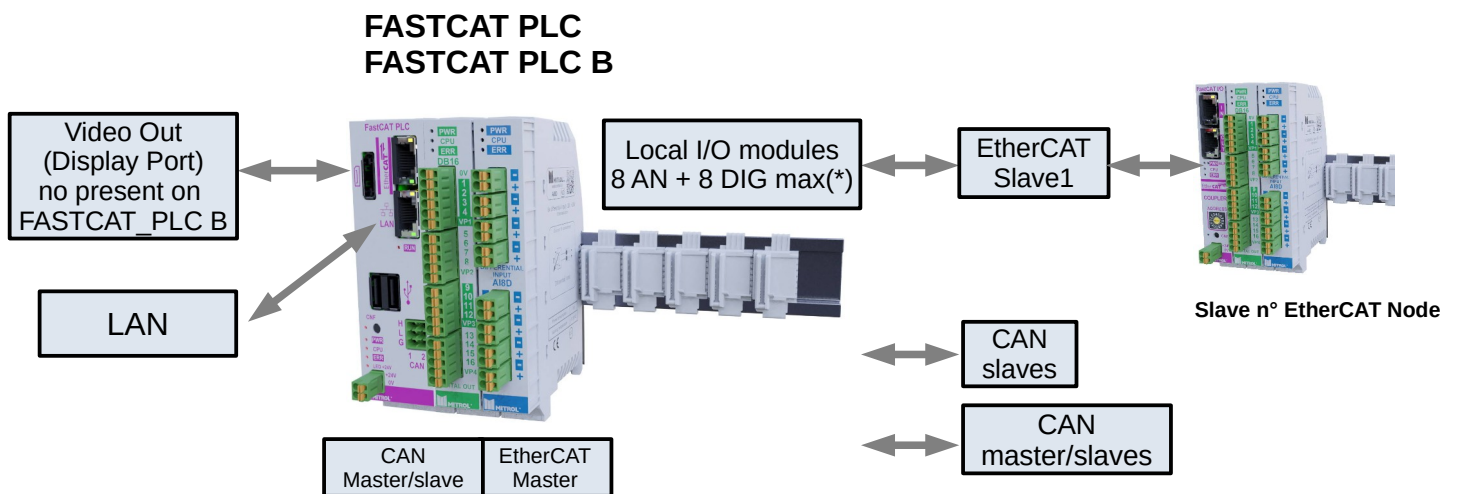
## Hardware Specification

Mechanical	
Dimensions [W x H x D]	38x120x93mm
Installation	On 35mm DIN-Rail
Enviroment	
Operating/storage temperature	0..55°C / -20..+85°C
Relative humidity	Max 95% without condensation
Degree of protection	IP20

## Order code

FASTCATPLC	Standard black box with Display Port output
FATSCATPLCB	Standard black box without Display Port output

## Application

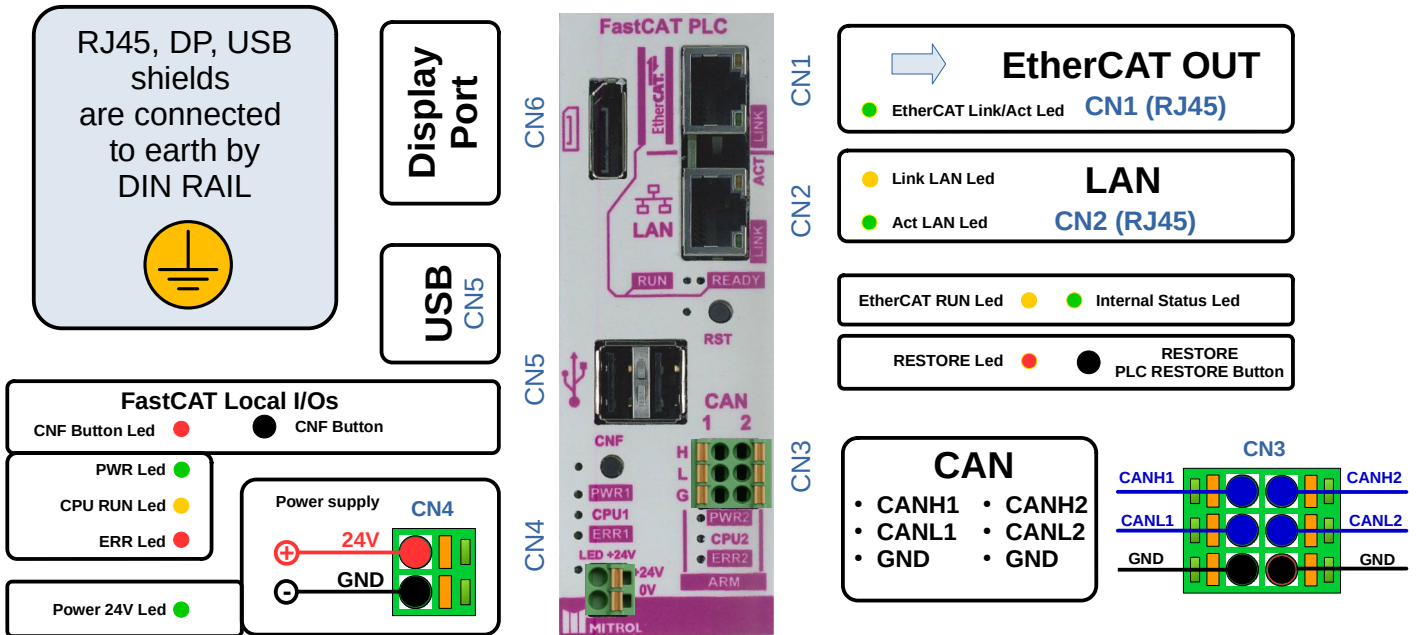


(\*) maximum 16 modules  
maximum 8 analog modules

**Supported slave modules on MT bus:**  
**Digital:** DB16, DO16, DI16, DO82A  
**Analog:** AI8C, AI8D, AI8M, AB4P4, AB4C4, AB4D4, AB4M4, AI8TC, AO4  
**Temperature:** AI8PT100, AI8PT1000, AI8TC  
**Axes:** AX2, AX1



## Cabling – Front Panel Connections and LED



CN3 CAN bus lines terminated on board  
CN6 no present on FASTCAT PLC B

## Dimensions (Units: mm)

