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2070LX ATC Controller Series

Standard outside, power inside

The model 2070LX ATC controller series features open architecture hardware that meets the Caltrans 2009 TEES specification. Ideal to fit the needs of any size market, the hardware features a Linux platform and is interchangeable with standard 170 controllers. Its modular design allows for continued progression to adapt to new needs and updated specifications quickly and easily.

The 2070LX ATC controller offers easily interchangeable options in processing, communications and I/O hardware. Its open architecture with Linux operating system makes it capable of running Siemens SEPAC.

Versatile and durable, the 2070LX ATC controller supports cross-vendor compatibility between hardware and software and is designed and built to handle the unattended operation in harsh environments.

Benefits

- Supports cross-vendor compatibility between hardware and software
- Versatile with multiple processing, communications, and I/O hardware module options
- Easily upgradable and quickly customized with modular design
- Designed and built for unattended operation in harsh environments
- Interchangeable with standard 170 controllers



Siemens LX ATC Controller Series Features

Standard features

- Meets Caltrans specifications
- Rack-mounted to fit into any Caltrans style cabinet
- Back-of-cabinet wiring and access available
- Open architecture platform with Linux operating system
- Standard software modules from multiple sources
- 2 slots available for choice of dual serial or third-party communication modules such as fiber optic, EIA232 or 485 modems
- High speed serial communications to CPU

Common Technology

- Parallel I/O Ports – 64 bits each input and output
- SDLC compatible communication with CPU Module
- External RS-485 Net
- Datakey – KC4210PCB Keyceptacle™, support up to 32Mb Datakey, 3.3V/5.0V
- EIA 485 Bus Interface
- Time of Day Clock

2070-1C Technology

- Two 10/100 Ethernet switches
- Three 10/100 Ethernet ports on primary switch
- One 10/100 Ethernet port on secondary switch

Available Modules

- 2070-7A Async/Sync Serial Comm Module
- 2070-4A Power Supply Module
- 2070-2E+ Field I/O Module
- 2070-3B Front Panel Display (FPA)
- 2070-1C CPU (Linux)



Unit Version	Description	Hardware
2070LX	LX Unit mates to the 170, ITS and ATC cabinets	Unit Chassis, 2070-1C CPU, 2070-2E+ FIO, 2070-3B Front Panel and 2070-4A Power Supply

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