

8851-LC-MT

PAC8000 SafetyNet Controller

The GE Intelligent Platforms 8851-LC-MT is a PAC8000 SafetyNet controller for safety-related control applications. The manufacturer safety manual identifies it as sharing the PAC8000 controller hardware platform while using constrained operation and additional diagnostics to support the SafetyNet safety function.

Manufacturer	GE Intelligent Platforms
Complete model	8851-LC-MT
Product description	PAC8000 SafetyNet Controller
Prepared by	Apter Power
Document ID	AP-8851-LC-MT-PR-R1
Revision / issue	R1 / 2026-08-26

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SCAN FOR PRODUCT &
QUOTE

8851-LC-MT

1. Product overview and identity

The GE Intelligent Platforms 8851-LC-MT is a PAC8000 SafetyNet controller for safety-related control applications. The manufacturer safety manual identifies it as sharing the PAC8000 controller hardware platform while using constrained operation and additional diagnostics to support the SafetyNet safety function.

System function

The controller executes the approved safety application, exchanges safety I/O data with PAC8000 SafetyNet I/O modules and supervises faults. When it detects a dangerous fault, it initiates a controlled shutdown so the I/O modules enter their de-energized failsafe state and diagnostic information is retained for analysis.

Verified technical information

Parameter	Verified value
Complete model	8851-LC-MT
Product type	PAC8000 SafetyNet Controller
Safety integrity use	Certified for use up to SIL 2
Architecture	1oo1D
Controller carriers	8750-CA-NS or 8751-CA-NS
Earth-leakage detection	Provided by 8751-CA-NS carrier
Failsafe response	SafetyNet I/O outputs de-energize on loss of controller communication
Direct field channels	None; handled by SafetyNet I/O modules

2. Integration and verification

Signals and data handled

Safety application logic, controller communications and SafetyNet I/O data. Physical discrete or analog field signals are acquired or driven by the connected SafetyNet I/O modules, not directly by the controller.

Companion components

PAC8000 SafetyNet I/O modules, 8750-CA-NS or 8751-CA-NS controller carrier, approved PAC8000 power and carrier hardware, SafetyNet Logic Workbench and the site safety application documentation.

Common industrial applications

SIL 2 safety-related control in process plants, including emergency-shutdown and fire-and-gas functions where the approved PAC8000 SafetyNet architecture is applied.

Product precautions

- Treat configuration, application-program and firmware changes as safety-system changes under the site's functional-safety lifecycle.
- Use only the documented controller carrier and compatible SafetyNet I/O modules for the approved system architecture.
- After service, prove the failsafe response, diagnostics, I/O communication and every affected safety function before return to operation.

Manufacturer publications

Manufacturer publication	Source access
GE Intelligent Platforms Safety Manual for the MTL8000 Safety AXE	Open source in a new window

Only information traceable to the named manufacturer publications is stated. Missing electrical, dimensional, lifecycle, origin and compatibility values are intentionally not inferred. Confirm the complete physical nameplate, revision, approvals, wiring and current manufacturer instructions before use.