

DPH-0200

System Monitoring Library Linux Driver Software for Classembly Devices(R)



概要

System Monitoring Library monitors Interface Classembly Devices(R) by an application program running on Linux. The application program links a provided library (Lib) and controls Interface Classembly Devices(R) through the application programming interface (API). This document includes information to use the System Monitoring Library on Linux.

特長

- Starting, stopping, and time-out time of the watchdog timer (WDT) are freely configurable by software.
- If the WDT is not cleared within the specified time-out time, either a CPU reset or an interrupt event can be generated.
- Temperatures of the CPU and printed circuit board (PCB) can be retrieved.
- An interrupt event is generated when the temperature of CPU or PCB exceeds the specified upper or lower limit.
- A voltage of a power supply can be retrieved.
- An interrupt event is generated when abnormal voltage of the power supply is detected.
- Multi-process processing is supported. One or more programs can simultaneously monitor the system.
- Sample programs for WDT, temperature monitoring, power supply voltage monitoring, interrupt event notification, RAS output, digital input/output, key matrix input are included. By setting the conditions beforehand, the RAS signal is automatically asserted when an abnormal condition is detected. The program can freely control the RAS output.
- Digital input/output function is supported.
- Brightness control and volume control are supported.
- Illuminance can be retrieved.
- Brightness can be automatically adjusted according to illuminance.
- By connecting an optional battery module, the operation when power failure occurs can be configured. The status of battery module can be retrieved.
- Ready-to-use utilities for WDT control, temperature monitoring, power voltage monitoring, RAS output, digital input/output, battery monitoring, RAID information are included. The utilities save logs.

対応 OS

Interface Linux System 7 64bit
Interface Linux System 7 32bit
Interface Linux System 6 32bit
Interface Linux System 32bit

対応言語

gcc

注意事項

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