

DPF-0200

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



概要

System monitoring library is software to monitor Interface Classembly Devices(R) by applications running on Windows.
Application software links a provided dynamic link library (DLL) and monitor Interface Classembly Devices(R) through the application programming interface (API).

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, and key matrix input are included.
- An RAS signal is asserted when an abnormal status is detected by configuring the conditions beforehand. The application program can also control the 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 at power failure can be configured. The status of the battery module can be retrieved.
- Status and information of the battery can be simulated.
- Ready-to-use utilities for WDT control, temperature monitoring, power voltage monitoring, RAS output, digital input/output, battery monitoring, and RAID information are included. The utilities save logs for purposes of failure analysis and prediction.

対応 OS

Windows 7
Windows Embedded Standard 7
Windows Embedded Standard 2009
Windows XP Embedded

対応言語

Microsoft Visual C++ 6.0, .NET 2002, .NET 2003, 2005, 2008, 2010, 2012, 2013, 2015
Microsoft Visual C# .NET 2002, .NET 2003, 2005, 2008, 2010, 2012, 2013, 2015
Microsoft Visual Basic 6.0, .NET 2002, .NET 2003, 2005, 2008, 2010, 2012, 2013, 2015

注意事項

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