

JAVA EMBEDDED CONTROLLER

The answer to your network mission critical multi remote I/O for data acquisition and control applications.

DisplayWork JAVA Embedded Network Controller series are small but mighty Application Ready Platforms for your networked Applications. Without hard disk and fan, our Data Acquisition and Control modules meet the industrial most robust environmental conditions, while leveraging on its embedded JVM (Java Virtual Machine) and standard JAVA language programming support through “Slush”, a UNIX like command shell interface. Slush, while supporting multi-threaded and multi-user environments, also provides conveniences such as network accessibilities such as Telnet and FTP via Ethernet (RJ-45) TCP/IP.

Key Built-In Features which includes **Web server, FTP server, Telnet server** and **NFS server** ensures that DisplayWork JAVA Embedded Network Controller Modules are “network-ready” for the future of IT and communication industry.



While common standard application and drivers are available for free, specific application programs can easily be developed using standard JAVA and the provided SDK.

JAVA, being a higher-level language compared to C/C++, provides superior memory and IO management. With OS and Application programs on board ROM and battery backed RAM (guaranteed for 10 years), users can be assured of a robust operating system with high speed access, without risk of data loss due to power failure.

JAVA EMBEDDED CONTROLLER LINE Specifications

Model Number	D-1008	D-1012	D-1018	D-1108	D-1112
Controller	Dallas Semi DS80C390	-	-	-	-
Real-time clock	Yes	Yes	Yes	Yes	Yes
On Board ROM	512K	512K	512K	512K	512K
RAM (battery backup)	1 MB	1 MB	> 1 MB Optional	> 1 MB Optional	> 1 MB Optional
RS-232 (DB-9 connector)	1 port	1 port	1 port	1 port	1 port
Tx/Rx UART	1 pair	1 pair	1 pair	1 pair	1 pair
RJ-45 TCP/IP	1 port	1 port	1 port	1 port	1 port
Industrial Key-Pad (4x4) Matrix	-	-	Yes	-	-
Backlit LCD Display (2x16 characters)	-	-	Yes	-	-
Dot Matrix LED Display (2x16 characters)	-	-	Optional	-	-
Input (Digital) Port	8 Channel	16 Channel	16 Channel	-	8 Channel
Input (Analog) Port (4–20mA) Instrument	-	-	-	8 Channel	8 Channel
Output (Digital) Port	8 Channel	16 Channel	16 Channel	8 Channel	16 Channel
Flash Memory Support	Optional	Optional	Optional	Optional	Optional



For further information, please contact: