REALFLEX EMBEDDED

RealFlex Technologies Ltd

EMBEDDED SCADA SOLUTION

RealFlex Embedded is a fast real-time solution for challenging SCADA environments. This high speed system incorporating a high-performance controller and embedded RealFlex 6.4 tolerates dust and vibration, fits into confined spaces and withstands a wide range of temperatures.

REAL-TIME SCADA SOLUTION FEATURING REALFLEX SOFTWARE AND ADVANTECH HARDWARE

- ✓ **Secure SCADA Software**
- ✓ **Diskless System**
- ✓ **Harsh Environments**
- ✓ **Reduced Space**
- ✓ **Easy Implementation**
- ✓ **Click and Build**
- ✓ **True Hot Standby**

1 No moving parts

Where security and reliability is paramount, RealFlex 6 provides an embedded server on a QNX6 operating system and Advantech's high performance controllers.

These high performance controllers support PC/104 extensions, serial communication ports and several other networking interfaces. They can be configured to a projects exact specifications. **These units come in a sleek "boltable" robust steel casing and offer a no moving parts option.**

2 Small memory "footprints"

Designed for devices requiring small memory "footprints", RealFlex Embedded is ideal for diskless systems using flash memory .

Several different configuration options are available which can be tailored to the individual customers needs.

3 Low Cost of Ownership

The inherent reliability of the product means reduced maintenance costs, less site trips and lack of constant patching/upgrades. Reduced costs are achieved through low implementation and setup time plus minimal training requirements.

Secure automatic migration from legacy RealFlex 4 systems ensures integrity of all the data and minimal re-commissioning time is required.

4 Hot Standby

The true hot standby allows a fast switch over to keep the system operating 24 hours a day, 365 days a year.

Hot standby provides redundancy to allow processing to continue during failure or maintenance. Control and monitoring can continue due to fast switchover.

RealFlex Embedded

⑤ Security

RealFlex 6 achieves superior security with this real-time operating system combined with dynamically encrypted communications.

RealFlex 6 has a high performance SCADA engine with efficient design making it extremely fast. The QNX6 real-time operating system enables the products to achieve Speed, Stability and Security. Millisecond Timestamp stamping allows users to track faults with high precision.

⑥ Best of Both Worlds

RealFlex provides an excellent balance between the speed, stability and security of a server running on the QNX platform and the ease of use of FlexView HMI running on a Microsoft Windows platform.

FlexWin clients on Microsoft Windows provides Operator Interface, SQL database, Web Page support, OPC Server and Client giving access to a huge number of applications.

⑦ Customer Support System

Utilizing the RealFlex Online Support System (ROSS) and backed up by dedicated account managers, we are committed to providing first class support, engineering services and technical expertise.

Main Features:

- True real-time embedded SCADA software
- Most challenging of physical environments
- FlexView HMI on Microsoft Windows
- Fast Hot Standby configuration
- Millisecond Timestamp
- Real-time, Historical, Alarms and Event
- Calculation & CSL Script Language
- Extensive range of standard protocols supported e.g. DNP3, IEC870 and ModBus
- Automatic migration from Legacy RealFlex 4 system
- Migration Kit for RealFlex 4 drivers
- Server API for QNX applications
- Custom Development Kit available
- Additional FlexWin clients—FlexBase, FlexWeb, FlexOPC, RFLink

About RealFlex Technologies

RealFlex software provides customers with secure SCADA software. Our flagship product RealFlex 6, runs on the QNX operating system while a range of additional software gives the customer a large degree of flexibility on their system.

Servicing the SCADA market worldwide since 1982, RealFlex software is used by customers in more than 40 countries.

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