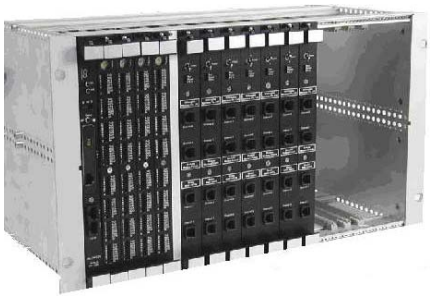
8000 Series

WILLOWGLEN
Innovative SCADA Solutions



Description

The Willowglen 8000 Series Communication Controller (CC) is designed with flexibility, scalability and the capability to withstand rugged environment. It is catered for real-time applications where reliability and performance are key factors. The CC is intended to handle very large numbers of communication ports. Up to 128 communication ports consisting of modems, RS232 and/or RS485 can be installed in a CC.

The 8000 Series utilizes the industry standard VMEbus, providing an open system architecture. Its Redundant Processor and Power Supply capabilities guarantee high reliability and functionality. The CC may also act as a server with optional PMC Module for Ethernet and SVGA connections, and Transition Module that features SCSI and serial interfaces. The 8000 Series provides high-speed wide area networking including interfacing with other Willowglen's Series of VRTUs that require common transmission medium for data and video signal. Typical applications are in power distribution management, oil & gas satellite production platform monitoring, oil & gas pipeline management, water and sewerage pumping stations, building management and surveillance, tank farm management and transportation & traffic monitoring.

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Features

- 64-bit High Performance RISC processor running at 250Mhz.
- Redundant processor cards supported.
- Ability to handle very large numbers of communication ports.
- Easy communication to host computer and other intelligent devices using either industry standard MODBUS, IEC 870-5-101 or other protocols.
- Built-in 10/100 Mbps Ethernet interface for high-speed communication.
- POSIX compliant operating system with Real-time Extensions.
- Extensive network protocols and interface capabilities including TCP/IP, DHCP, and PPP.
- Extensive self-diagnostic functions, monitoring temperature, power input, battery status and a watchdog-timer.
- Ability to connect SVGA, keyboard and mouse for MMI purposes.

Advantages

- Remote video monitoring through phone line or high-speed wide area networks which reduces wiring costs as telemetry data and video share common transmission medium.
- Powerful and reliable open-system architecture that offers new levels of performance, response time and reliability.
- Software upgrade can be performed through the In-system programming (ISP) capability of the boards.

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