

EDGEWARE®

edge controller

Reliable, Interoperable, Affordable—

Control's Edgware edge controller extends the reach of enterprise applications such as SAP® and Oracle® to RFID and other types of devices in industrial and building automation, retail, and transportation environments. Market leading enterprise applications embedded directly on the Edgware controller platform present granular information in real-time back to the enterprise.

Control's Edgware controller enables on-demand business decisions at the local device level through industrial protocols to a variety of plant floor devices such as RFID readers, barcode scanners, and sensors. Native port communication and distributed architecture virtually eliminates latency. Control's Edgware controller is easily integrated into the existing and future controls infrastructure by communicating to PLCs via their own industrial Ethernet protocol and quickly delivers return on investment.

The Edgware controller is backed by Control's twenty-five plus years of experience in innovative device connectivity and industry leading support.

Control's Edgware controller ... *From Device to Decision*™



Highlights

- **DualConnectPlus™**—simultaneously connect both serial and Ethernet devices to PLCs and/or applications. String, RFID, and barcode data filtering eliminates redundant data.
- **Distributed architecture allows real-time business decisions at the enterprise level**
- **Leverages existing controls infrastructure investment by communicating via Industrial Ethernet to PLCs and natively to devices like RFID**
- **Robust software platform supports embedded enterprise software**
- **Reliable form-factor reduces hardware infrastructure expense by replacing costly servers**
- **Eliminates power cabling by supplying power over Ethernet**

Edgware Family

- 1-Port Model
- 2-Port Model
- Multi-port Model: 3- to 8-Ports
- All models: optional wireless adapter



Edgware™ Controller Specifications

Software Platform

- Sun Java™ J2ME
- Sun Java™ Systems RFID Software
- Linux



Industrial Ethernet Protocols

- EtherNet/IP, PROFINET, Modbus/TCP, TCP/IP

Industrial Serial Protocols

- Modbus RTU

Communication Modes

- EtherNet/IP to Serial or Ethernet
- PROFINET to Serial or Ethernet
- Modbus/TCP to Serial or Ethernet
- Ethernet to Industrial Ethernet
- TCP Sockets
- UDP Sockets
- Com/TTY
- **802.11 a/g/b (optional for all models)**

Network Protocols

- Telnet, HTTP, SNMP, DHCP, RARP, ARP, BOOTP, Ping, Ethernet Bridge

Standards

- EPC - (ALE) Application Level Events

Serial Communications

- DB9 Ports RS-232/422/485
- Baud Rates 50 to 230+ Kbps
- Data Bits 7 or 8
- Parity Odd, Even, None
- Stop Bits 1 or 2

Hardware

- Serial Connectors DB9 Male*
- ***Expandable to 8-Ports**
- Ethernet Ports/PoE (2) 10/100 Base-T
- Intel IXP Xscale 425 Processor 533 MHz
- Memory 64MB RAM/16MB Flash
- Mounting Panel or DIN-Rail Mount
- Housing Aluminum Construction
- DIN-rail mountable

Environmental Specifications

- Temperature Rating -40 to 85°C

“Java is coming full circle. It was designed for set-top boxes to communicate to the cable television network and is now migrating back to edge control. The Edgware controller is the new 'set-top' box for devices.”

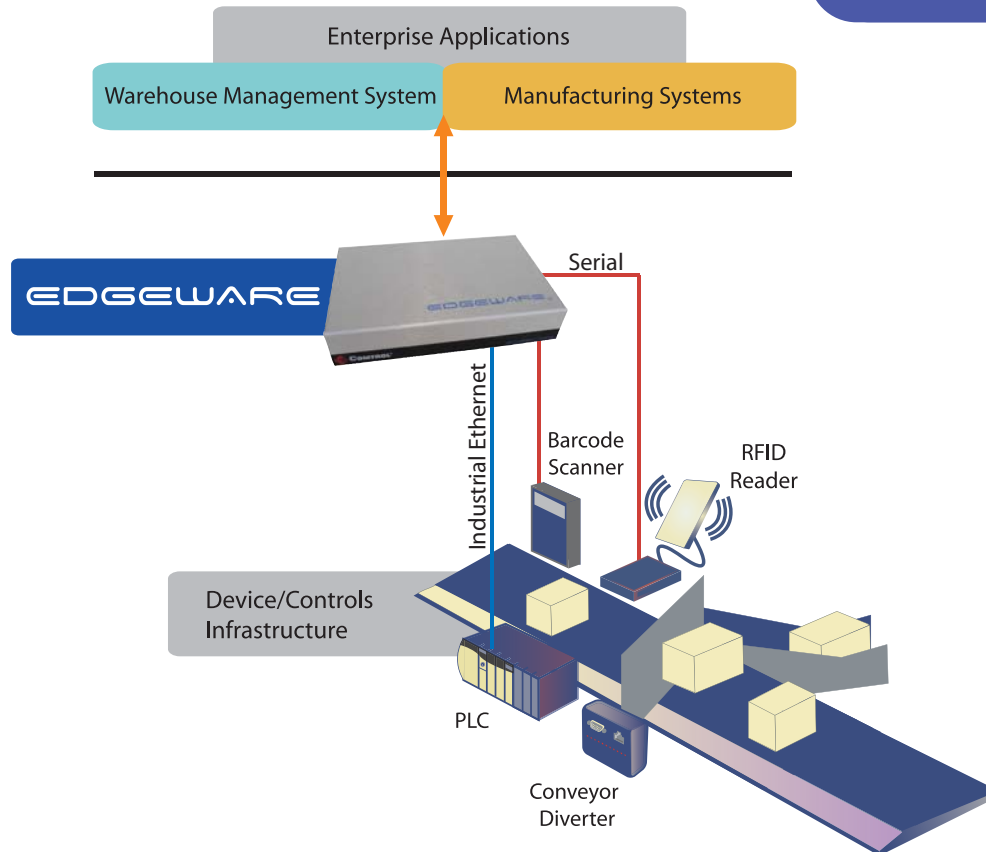
Jim Wright

Systems Architect, Sun Microsystems, Inc.

“Control’s Edgware controller solves the disconnect between I.T., the plant floor and devices like RFID.”

Keith Anderson

Principal Engineer, TGW-ERMANCO



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