

COMPARISON BETWEEN THE 8864 DATA CONTROLLER AND THE 8832

ESC MODEL 8864
General Features

- CPU – AMD Geode LX 800
- Data Bus – 64 bits
- Speed – 500 MHz
- Dimensions – 17"W x 5.25"H x 14"D
- Weight – 12 pounds

Memory

- 4096 MB Flash – firmware, configuration and data
- 256 MB DRAM – working memory
- 64K L1 cache and 128K L2 cache

Communications

- Dual 10/100Mbps Ethernet interfaces
- USB – Three USB 2.0 (two rear, one front)
- Serial Port 0 – optically isolated RS-232 or RS-485
- Serial Port 1 – RS-232 or RS-485 (optional)
- Serial Port 2 – RS-232 or RS-485 (optional)
- Serial Port 3 – RS-232 or RS-485 (optional)

Display

- TFT active matrix LCD
- 16 Million Color
- 800 x 480
- Capacitive touch-screen

I/O Cards

- Modular – 8 points per card
- Card configuration – automatically detected
- Wiring connectors (same as 8832)

Configuration

- Channels – 999
- Digital I/O points – 999 maximum
- Channel Names – 20 characters

ESC MODEL 8832
General Features

- CPU – Motorola MPC860 Power QUICC
- Data Bus – 32 bits
- Speed – 50 MHz
- Dimensions – 17"W x 5.25"H x 14"D
- Weight – 15 pounds

Memory

- 6 MB total – firmware, configuration and data
- 32 MB DRAM – working memory

Communications

- Single 10Mbps Ethernet interface
- USB – (none)
- Serial Port 0 – optically isolated RS-232 or RS-485
- Serial Port 1 – optically isolated RS-232 or RS-485
- Serial Port 2 – RS-232 (optional)
- Serial Port 3 – RS-232 (optional)

Display

- LCD
- 16 Color
- 640 x 240

I/O Cards

- Modular – 8 points per card
- Card configuration – must be manually set

Configuration

- Channels – 99
- Digital I/O points – 88 maximum
- Channel Names – limited to 8 characters