

Real world solutions...



...the total control system.



Boss 32 On-Board Specifications

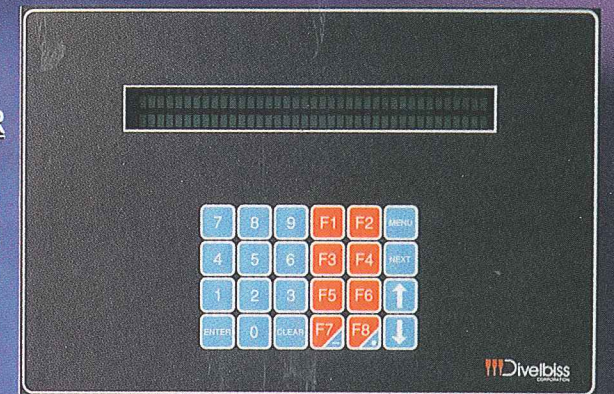
Processor	32-BIT @ 14.745 Mhz
Memory	User Program Area-200K, expandable to 968K User Data Area-64K Battery-Backed RAM, expandable to 256K/1Meg.
Display	Character Display: 2x40 or 8x42 (64x256) Graphic Display in Vacuum Fluorescent.
Serial Ports	4 Serial Ports: 2-RS232; 1-RS232/RS422/RS485; 1-RS232/422/485 hardware hand-shaking also available.
Network Communications	Divalbiss Bear Direct and Modbus®
Digital I/O	Up to 128 in and 128 out using standard Divalbiss HDIO cards
Analog In	8-channel buffered 12 bit A/D 0-5 VDC or 0-20 mA
Analog Out	4-channel buffered 12 bit D/A 0-10 VDC or 0-20 mA
Keyboard	Membrane or Mechanical: 24 keys (0-9, Enter, Clear, Programmable Function Keys: F1-F8 Menu, Next, Up and Down).
Real Time Clock	Time of Day, Day, Month, Year, and Day of Week.
Control Algorithm	Fuzzy Logic and PID
High Speed Counter	24-bit binary up/down counter. Inputs A,B Reset (optically isolated) Direct Output: open collector operation. Sensor Power Supply: +5 VDC reg. or 12 VDC unreg.
Power Requirements	115 VAC with supplied transformer or 12 VDC
Operating Temperature	0° - 50° C (8x42 graphic display) 0° - 60° C (2x40 display)
Programming Language	Compiled Basic
Touch Memory	Via 2 PIN Connector
Interrupts	3 external Modules

Optional Features

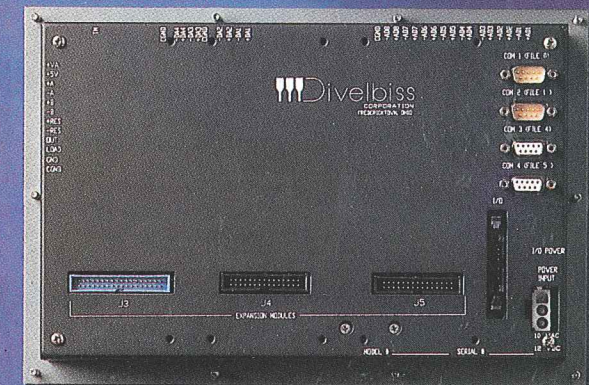
Programming Language	Off-board compiled "C" Language IEC 1131-3 languages: Ladder Diagram, Sequential Function Chart, Function Block Diagram, Structured Text, Instruction List, FlowChart.
High Speed Counter	Plug-in modules available with up to 4 channels of counting per module (optional)
Analog	Plug-in modules with 16 single ended analog input channels or 8 differential input channels or 8 - 4-20 mA channels. Plug-in module with up to 4 channels independently selectable OUT-PUTS (optional), stepping motor and interrupt.



8 X 42 CHARACTER
64 x 256 graphic display
Panel Mounted Unit:
8" x 12" x 2 1/2" (H x W x D)



2 X 40 CHARACTER
Panel Mounted Unit:
8" x 12" x 2" (H x W x D)
Subplate Mounted Unit:
8" x 11" x 2" (H x W x D)



Complete application development support is provided by Divalbiss.

If you should be in need of assistance, simply call our help line at **1-800-245-2327**.

We will relieve you of the worries that you may be confronted with, by stepping you through to just the right solution. Divalbiss also has the capabilities of customizing the Divalbiss controllers to fit your particular needs. This gives you the opportunity to have proven technology in a custom product for your application.



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BOSS 32 *the one complete package.*

Divebiss has taken its powerful Boss Bear microcomputer into the next generation with the development of the new full-featured industrial control system: **BOSS 32**.

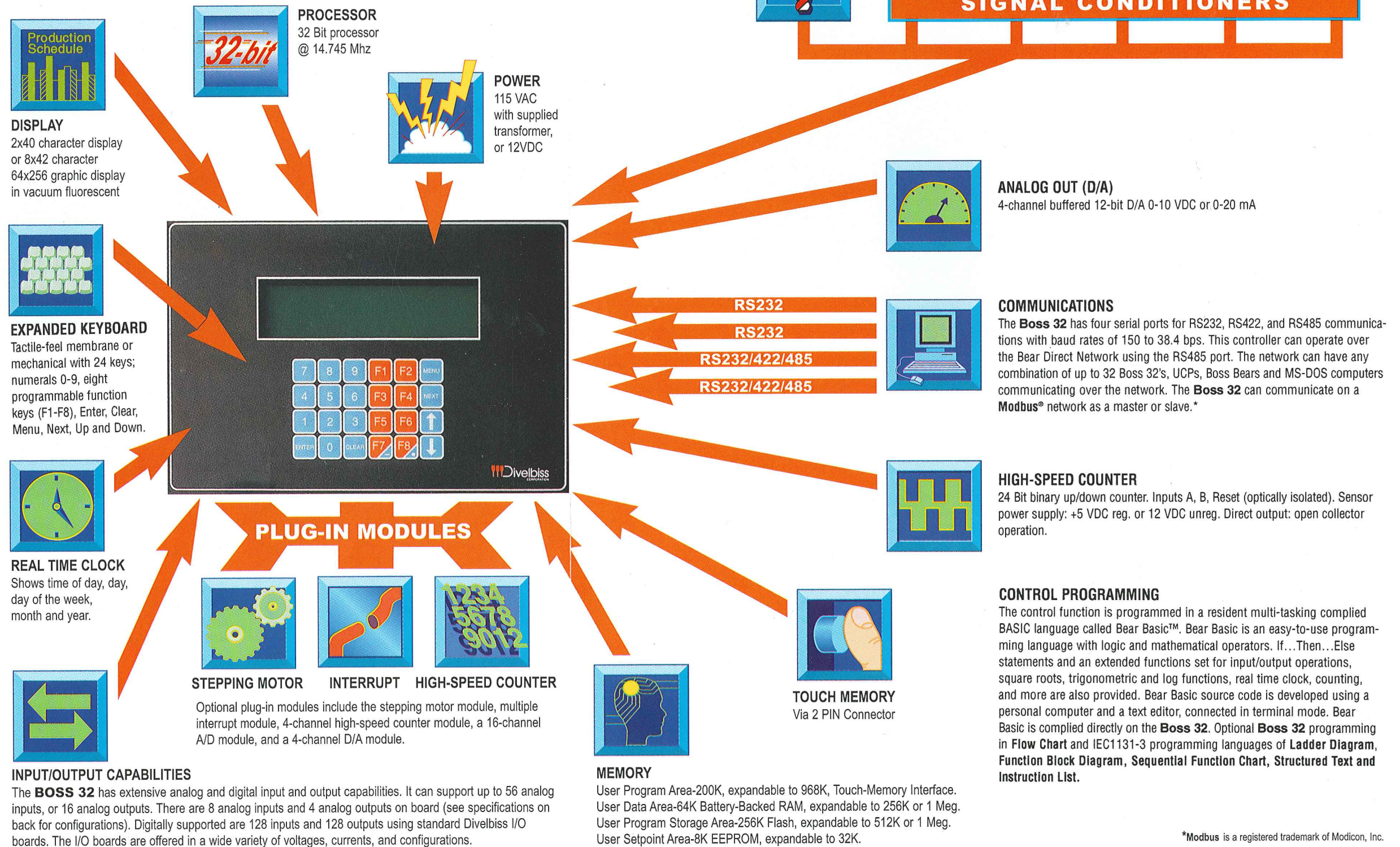
Applications

The **BOSS 32** is powerful and versatile. Its design is a perfect fit for a wide variety of applications and can be completely integrated with other information systems.

- Machine and Process Control
- Machine Monitoring
- Data Acquisition
- Production Counting
- Network Communications
 - Interface with printers or other computers
 - Provide plant production data for management analysis
 - Change part set-ups and batch sizes without costly additional components
- Production Reportings (reports daily, hourly, or shift totals)
- Length Measurement
- Batching
- Packaging
- Roll Forming
- Blending
- Dispensing
- Telemetry
- Remote & Mobile Field Applications
- Engine Control (powered by 12 VDC)

Divebiss can customize **BOSS 32** to your exact needs, giving you proven technology in a custom product for your specific application.

Offering enhanced capabilities over **BOSS BEAR** for counting, controlling, computation, graphics monitoring, and alphanumeric communication, **BOSS 32** offers many control functions all in one convenient package, in keeping with the Divebiss standard of high-quality, cost-effective electronic products.



*Modbus is a registered trademark of Modicon, Inc.