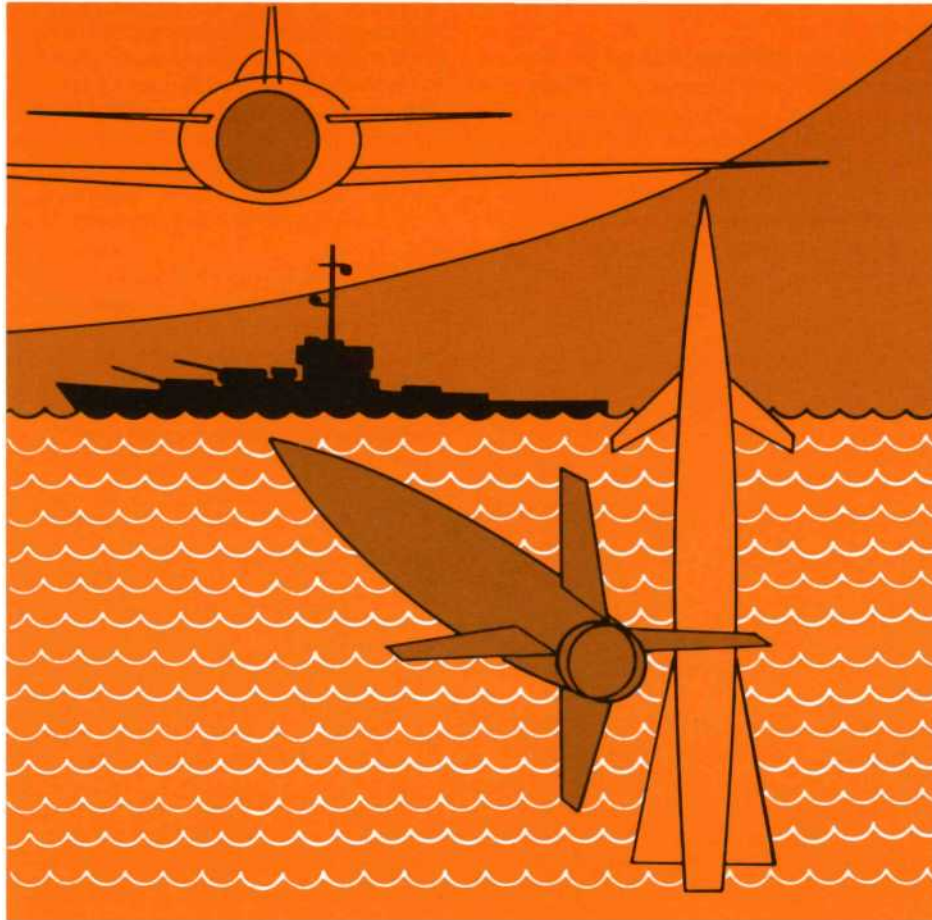
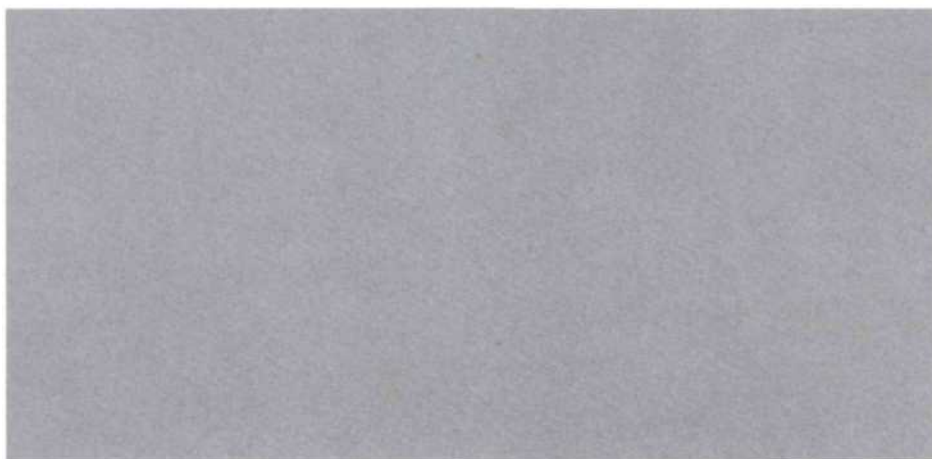


Bendix Digital Computers



General
Specifications



Navigation &
Control Division

Bendix Digital Computers

Aerospace Digital Computers

The Bendix Aerospace Digital Computers are compact single-address, binary-digital data processing machines with full parallel organization. Through their modular, integrated circuitry they perform precise mathematical operations across a broad spectrum of aerospace, land, and sea applications.

- Aircraft
- Drones
- Missiles
- Manned and unmanned spacecraft
- Fixed and mobile land installations
- Watercraft
- Underwater vehicles and projectiles

Readily adaptable to both commercial and military uses, Bendix Aerospace Digital Computers perform with speed, precision, reliability, and versatility to provide outputs for a variety of critical functions.

- Navigation
- Guidance
- Control
- Management
- Maintenance
- Checkout

Groundbased Minicomputers

Bendix general purpose digital minicomputers are designed for a wide range of process control systems. These powerful small size computers are

designed for applications that require highspeed precision computing and control performance at low cost. As control computers they can be used by original equipment manufacturers for management, maintenance and control in one or more processes.

- As terminals for communications
- As stand alone computers

The Bendix digital minicomputers through their flexible hardware and software input/output system is completely compatible with all high resolution process controllers and monitors.

AEROSPACE COMPUTERS

GROUNDBASED COMPUTERS

	BDX-600	BDX-700	BDX-800	BDX-900	BDX-910	BDX-6200	BDX-9000
Data Flow	P	P	P	P	P	P	P
Data type	F _x	F _x	F _x	F _x	F _x	F _x	F _x
No. of Inst.	95	95	108	70	70	95	70
Computing time μ sec.							
Add	4	4	2	6	2	4	2
Mult.	23	9	9.5	63	21	23	21
Div.	23	9	9.5	86	29	23	29
Type	DRO Core	DRO Core	DRO Core NDRO Braid NDRO MOS	DRO Core NDRO Braid Semi-Conductor	DRO Core NDRO Braid Semi-Conductor	DRO Core	DRO Core NDRO Braid Semi-Conductor
Memory							
Word size	20	24	16	16	16	20	16
Cap. Max.	16K	64K	16K	32K	32K	16K	32K
Cycle time μ sec.	2.0	2.0	1.0	3.0	1.0	2.0	1.0
Input/Output							
Chan.	4	4	4	4	4	4	4
Int.	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Physical Characteristics							
I. C.	T ² L	T ² L	MSI	LSI	LSI	T ² L	LSI
Wt. Lbs.	20	30	12	2.5	2.5	75	40
Vol. Cu. Ft.	0.275	0.35	.166	.064	.064	2.91	1.5
Pwr. Watts	100	150	40	15	17.5	300	260

F_x = Fixed Point

P = Parallel

(*) = Hardware Priority Levels, expandable as required by the application.

For additional information,
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