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TECHNOLOGY GROUP

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FUJITSU

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FUJITSU AMERICA

COMPUTER PRODUCTS REFERENCE GUIDE

1990

R SQUARED
11211 E. Arapahoe Road #200
Englewood, CO 80112
303-799-9292 OR
800-777-3478

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NEW DIRECTIONS

Fujitsu has taken a look ahead at technology for business. We're working towards a goal of complete customer satisfaction. In the 1990s this means working with our OEM partners to develop products that meet the application-specific needs of end users. It also means a strong presence in distribution and closer relationships with VARs and VADs that serve a variety of markets.

We set the standards in the OEM arena with reliability and innovation. Those qualities remain our signature. In every marketplace our technological innovations show the way: the fastest 8-inch drives, high capacity 5.25-inch drives, a superior 3480 tape drive, exceptionally fast 24-wire dot matrix printers and whole families of innovative laser printers.

In our vision, customer satisfaction is achieved by combining the best of Japan and America. This vision drives our Intellistor R&D facility in Colorado, manufacturing plants in Oregon, marketing headquarters in California and a growing network of customer service offices around the country. It is a vision and a partnership to serve America—and through America, the world.

Our vision is symbolized by our new logo. And, at Fujitsu this vision is one of infinite possibilities.

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STORAGE PRODUCTS

5. FLEXIBLE DRIVES

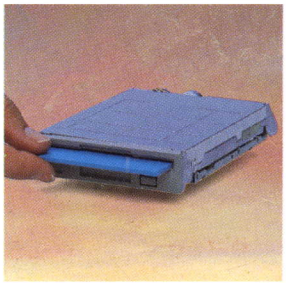
7. WINCHESTER DISK DRIVES

11. CONTROLLERS

17. TAPE STORAGE

21. SUBSYSTEMS

M2532 M2537

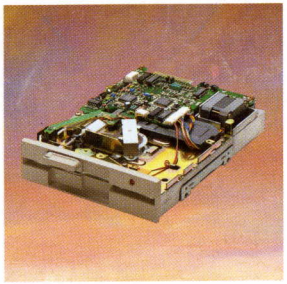


- 1 MB to 2 MB unformatted capacities
- Low power consumption
- Industry standard interface
- Optional mounting bracket for 5.25" drive replacement

SPECIFICATIONS	M2532M	M2537M
CAPACITY		
Unformatted:	1 MB	1.0/2.0 MB
Formatted:	720 KB	720 KB/1.4 MB
TRACK CAPACITY		
Unformatted:	6.25 KB	
Formatted:	4.6 KB	4.6/8.8 KB
CYLINDERS	80	
TRACKS	160	
TRACK DENSITY	135 TPI	
HEADS	2	
RECORDING CODE	MFM	
DENSITY	8,717 bpi	8,717/17,434 bpi
ROTATION SPEED	300 RPM	
DATA TRANSFER	250 KB/s	250/500 KB/s
POSITIONING TIME		
Track to track:	3 ms	
Average:	94 ms	
Settling time:	15 ms	
START TIME		
Motor:	400 ms (max.)	
INTERFACE	SA450	
POWER		
+5 VDC −6, +10%:	0.4 A	
DIMENSIONS* (H x W x D)	1 in. x 4 in. x 5.9 in.	
WEIGHT	350 grams	

**5.25 in. mounting frame kits including PCB and power adapter, available for IBM PC/XT, PC/AT. IBM PC/XT and PC/AT are registered trademarks of International Business Machines Corporation.*

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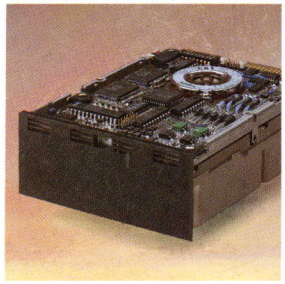
M2551 M2553 M2554

- 360 KB to 1.2 MB formatted capacities
- Half-height form factor
- Single or double density
- Various bezel and LED colors available

SPECIFICATIONS	M2551A	M2553K	M2554K
CAPACITY			
Unformatted:	500 KB	1.6 MB	1/1.6 MB
Formatted:	360 KB	1.2 MB	655 KB/ 1.2 MB
TRACK CAPACITY			
Unformatted:	6.25 KB	10.42 KB	6.25/10.42 KB
Formatted:	4.6 KB	7.68 KB	4.1/7.68 KB
CYLINDERS	40	80	80
TRACKS	80	160	160
TRACK DENSITY	48 TPI	96 TPI	96 TPI
HEADS	2		
RECORDING CODE	MFM		
DENSITY	5,876 bpi	9,646 bpi	5,922/ 9,646 bpi
ROTATION SPEED	300 RPM	360 RPM	300/360 RPM
DATA TRANSFER	250 KB/s	500 KB/s	250/500 KB/s
POSITIONING TIME			
Track to track:	4 ms	3 ms	3 ms
Average:	67 ms	94 ms	94 ms
Settling time:	15 ms	15 ms	15 ms
START TIME			
Motor:	400 ms (max)		
INTERFACE	SA450		
POWER			
+12 VDC ±5%:	0.22 A	0.20 A	0.20 A
+5 VDC ±5%:	0.34 A	0.40 A	0.40 A
DIMENSIONS (H x W x D)	1.6 in. x 5.7 in. x 8 in.		
WEIGHT	3.1 lbs.		

M2227D2

- 40 MB formatted capacity
- Less than 35 ms average positioning time
- Low 7.5 W power consumption
- ST506/412 interface
- Optional 5.25" mounting bracket for IBM® AT or XT systems and compatibles



SPECIFICATIONS	M2227D2
DRIVE CAPACITY	
Unformatted:	51.2 MB
Formatted:*	42.8 MB
DISKS	4
HEADS	
Read/write:	8
TRACK CAPACITY	
Unformatted:	10,416 B
CYLINDERS	615
POSITIONING TIME	
Track to track:	8 ms
Average:	<35 ms
Maximum:	75 ms
AVERAGE LATENCY	8.3 ms
DATA TRANSFER RATE	625 KB/s
RECORDING CODE	MFM
INTERFACE	ST506/412
POWER	
+12 VDC ±5%:	0.45 A
+5 VDC ±5%:	0.42 A
Average power:	7.5 W
DIMENSIONS (H x W x D)	1.625 in. x 4 in. x 5.75 in.
WEIGHT	2.2 lbs.

**Based on 17 sector/track and 512 bytes/sector. IBM is a trademark of International Business Machines Corporation.*

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M2611T M2612T M2613T M2614T

- 45 to 180 MB formatted capacities
- Compact design for portable and desktop systems
- Low acoustic noise of 40 dBA
- 64 KB ring buffer
- Power conserving steady, standby and sleep modes

SPECIFICATIONS	M2611T	M2612T	M2613T	M2614T
DRIVE CAPACITY				
Formatted:	45.1	90.2	135.2	180.3
DISKS	1	2	3	4
HEADS				
Read/write:	2	4	6	8
TRACK CAPACITY				
Formatted:	16,896B			
CYLINDERS	1,334			
POSITIONING TIME				
Track to track:	10 ms			
Average:	<25 ms			
Maximum:	42 ms			
AVERAGE LATENCY	8.6 ms			
DATA TRANSFER RATE	7.4 MB/s (or 3.7 MWs)			
RECORDING CODE	RLL (1,7)			
INTERFACE	PC-AT			
POWER REQUIREMENT				
+12 VDC ±5%:	0.35 A	0.45 A (max. 2.0 A)		
+5 VDC ±5%:	1.0 A	1.0 A (typ.)		
DIMENSIONS (H x W x D)	1.0 in. x 4.0 in. x 5.75 in.	1.62 in. x 4.0 in. x 5.75 in.		
WEIGHT	1.1 lb	2.2 lbs.		



M2611SA M2612SA M2613SA M2614SA

- 90 to 180 MB unformatted capacities
- Supports asynchronous and synchronous data transfers
- Macintosh compatible
- Low acoustic noise of 40 dBA
- New 1" high model

SPECIFICATIONS	M2611SA	M2612SA	M2613SA	M2614SA
DRIVE CAPACITY				
Formatted:	45.1	90.8	136.6	182.4
DISKS	1	2	3	4
HEADS				
Read/write:	2	4	6	8
TRACK CAPACITY				
Formatted:	17,408 B			
CYLINDERS	1,334			
POSITIONING TIME				
Track to track:	10 ms			
Average:	<25 ms			
Maximum:	42 ms			
AVERAGE LATENCY	8.6 ms			
DATA TRANSFER RATE				
Asynchronous:	1.5 MB/s			
Synchronous:	2.5 MB/s			
RECORDING CODE	RLL (1,7)			
INTERFACE	Embedded SCSI, Mac-SCSI			
POWER REQUIREMENT				
+12 VDC ±5%:	0.35 A	0.45 A (max. 2.0 A)		
+5 VDC ±5%:	1.0 A	1.0 A (typ.)		
DIMENSIONS (H x W x D)	1.0 in. x 4.0 in. x 5.75 in.	1.62 in. x 4.0 in. x 5.75 in.		
WEIGHT	1.1 lbs.	2.2 lbs.		

Macintosh is a trademark of Apple Computer, Inc.

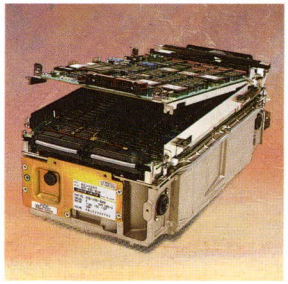
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M2246 M2249 M2263

- Up to 778 MB unformatted capacities
- ESDI or embedded SCSI interfaces
- As fast as 16 ms positioning time
- Up to 4.0 MB/s SCSI data transfer rate

SPECIFICATIONS	M2246	M2249	M2263
DRIVE CAPACITY			
Unformatted:	172 MB	389 MB	778 MB
DISKS	6	8	8
HEADS			
Read/write:	10	15	15
TRACK CAPACITY			
Unformatted:	20,864	20,864	31,296
CYLINDERS	823	1,243	1,658
POSITIONING TIME			
Track to track:	5 ms	4 ms	4 ms
Average:	25 ms	18 ms	16 ms
Maximum:	50 ms	35 ms	30 ms
AVERAGE LATENCY	8.3 ms		
DATA TRANSFER RATE			
ESDI:		1.25 MB/s	1.875 MB/s
SCSI:		2.5 MB/s	4.0 MB/s
RECORDING CODE	RLL (2,7)	RLL (1,7)	RLL (1,7)
INTERFACE	ESDI or embedded SCSI		
POWER REQUIREMENT			
ESDI:			
+12 VDC ±5%:	1.8 A (4.8 A max.)	2.5 A (5 A max.)	1.7 A (5 A max.)
+5 VDC ±5%:	1.6 A (typ.)		
SCSI:			
+5 VDC ±5%:	2.4 A (typ.)	38 W	28 W
DIMENSIONS (H x W x D)	3.3 in. x 5.7 in. x 8 in.		
WEIGHT	6.6 lbs.	7.7 lbs.	7.7 lbs.



M1053

- High performance SCSI controller
- Connects up to four 8" Winchesters
- Differential or single-ended drivers
- Common Command Set (CCS)
- Supports arbitration, deselect, synch mode

SPECIFICATIONS	M1053B	M1053BD
DRIVE COMPATIBILITY	M2333KS M2344KS M2372KS	M2333KS M2344KS M2372KS
HOST INTERFACE		
SCSI:	Single-ended	Differential
DRIVE INTERFACE	HSMD	HSMD
DATA TRANSFER RATE		
Asynchronous:	1.5 MB/s	1.5 MB/s
Synchronous:	2.67 MB/s	4 MB/s
COMMAND IMPLEMENTATION	SCSI/CCS	
SECTOR INTERLEAVE	Programmable	
SECTOR SIZES	256B, 512B, 1024B	
POWER REQUIREMENTS	+5 VDC ±5%, 5 A (max.) −12 VDC ±5%, 1 A (max.)	
DIMENSIONS (W x L)	7.8 in. x 13.2 in.	

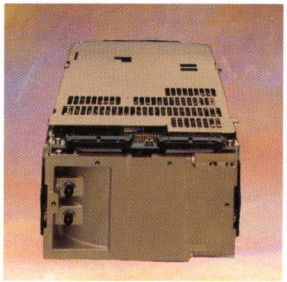
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M2322 M2333

- 168 MB to 337 MB unformatted capacities
- 2.46 MB/s HSMD
- Controller support on all popular busses
- Ideal for multi-spindle packaging

SPECIFICATIONS	M2322K	M2333K/KS
DRIVE CAPACITY	168.6 MB	337 MB
DISKS	6	
HEADS		
Read/write:	10	
Servo:	1	
TRACK CAPACITY		
Unformatted:	20,480 B	40,960 B
CYLINDERS	823	
POSITIONING TIME		
Track to track:	5 ms	
Average:	20 ms	
Maximum:	40 ms	
AVERAGE LATENCY	8.3 ms	
DATA TRANSFER RATE	1.229 MB/s	2.458 MB/s
RECORDING CODE	MFM	RLL (2,7)
INTERFACE	SMD	HSMD/SCSI
POWER REQUIREMENT		
+5 VDC +5%:	3.5 A	4.5 A
−12 VDC +5%:	3 A	3.5 A
+24 VDC +10%:	4 A (typ.)	4 A (typ.)
−5 VDC +5%:		
DIMENSIONS (H x W x D)	5 in. x 8.5 in. x 15 in.	
WEIGHT	30 lbs.	31 lbs.

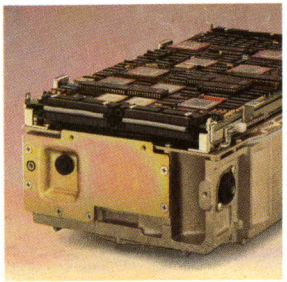


M2344 M2372 M2382 M2392

- 690 MB to 2.0 GB unformatted capacities
- 2.46 MB/s HSMD leaders, now 3.0 MB/s ESMD
- Controller support on all popular busses
- Ideal for multi-spindle packaging

SPECIFICATIONS	M2344K/KS	M2372K/KS	M2382K	M2392K
DRIVE CAPACITY	690.1 MB	823.9 MB	1.0 GB	2.02 GB
DISKS	8			12
HEADS				
Read/write:	27			21
Servo:	1			1
TRACK CAPACITY				
Unformatted:	40,960 B	40,960 B	49,728 B	50,400 B
CYLINDERS	624	745	745	1916
CYLINDER CAPACITY	>1.1 MB	>1.1 MB	>1.3 MB	>1 MB
POSITIONING TIME				
Track to track:	4 ms			2 ms
Average:	16 ms			12 ms
Maximum:	33 ms			25 ms
AVERAGE LATENCY	8.3 ms			
DATA TRANSFER RATE	2.458 MB/s	2.458 MB/s	3.0 MB/s	3.0 MB/s
RECORDING CODE	RLL (2,7)	RLL (2,7)	RLL (1,7)	RLL (1,7)
INTERFACE	HSMD/SCSI	HSMD/SCSI	ESMD	ESMD
POWER REQUIREMENT				
+5 VDC +5%:	3.5 A			2.6 A
−12 VDC +5%:	3.5 A			0.5 A
+24 VDC +10%:	4.5 A (typ.)			N/A
−5 VDC +5%:			4.0 A	2.9 A
+36 VDC +5%:				2.0 A
+12 VDC +5%:				1.0 A
DIMENSION (H x W x D)	5 in. x 8.5 in. x 15 in.			
WEIGHT	38 lbs.			

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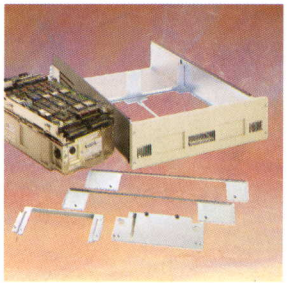
M2382P

- Embedded IPI-2 interface
- 1GB unformatted capacity
- Data streaming
- Differential voltage mode I/O

SPECIFICATIONS	M2382P
DRIVE CAPACITY	
Unformatted:	1.0 GB
DISKS	8
HEADS	
Read/write:	27
Servo:	1
TRACK CAPACITY	
Unformatted:	49,728 B
CYLINDERS	745
POSITIONING TIME	
Track to track:	4 ms
Average:	16 ms
Maximum:	33 ms
AVERAGE LATENCY	8.3 ms
ROTATIONAL SPEED	3,620 RPM
RECORDING DENSITY	25,211 bpi
TRACK DENSITY	1,193 TPI
DATA TRANSFER RATE	3.0 MB/s
RECORDING CODE	RLL (1, 7)
INTERFACE	IPI-2
START TIME	<50 sec.
STOP TIME	<50 sec.
POWER REQUIREMENT	
+5 VDC ±5%:	6.5 A
−12 VDC ±5%:	1.5 A
+24 VDC ±10%:	4.5 A (typ.)
−5.2 VDC ±5%:	3.0 A
DIMENSIONS (H x W x D)	5 in. x 8.5 in. x 15 in.
WEIGHT	39 lbs.

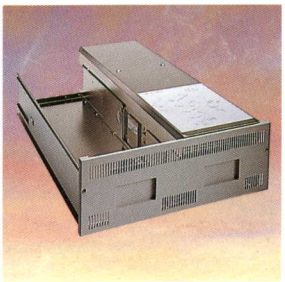
RM25/RM30

- Rack mount kits
- Accommodates all Fujitsu 8-inch disk drives and options
- Easy, single technician installation
- Specially coated sliders



SPECIFICATIONS	RM25	RM25S	RM30	RM30S
FRONT PANEL HEIGHT	5.25 in.	7 in.	5.25 in.	7 in.
FRONT PANEL WIDTH	19 in.	19 in.	19 in.	19 in.
DEPTH	23–27 in.	23–27 in.	28–32 in.	28–32 in.
TRAY WIDTH	17.5 in.	17.5 in.	17.5 in.	17.5 in.
DRIVE COMPATIBILITY *(Fujitsu Model #)*	Any two M2322K M2333K/KS/P M2344K/KS M2372K/KS M2382K/P M2392K without SCSI External Controller (IDC) or Dual Port Option (DPO) attached	Any two M2322K M2333K/KS/P M2344K/KS M2372K/KS M2382K/P M2392K with an SCSI External Controller (IDC) or Dual Port Option (DPO) attached	Any two M2322K M2333K/KS/P M2344K/KS M2372K/KS M2382K/P M2392K without SCSI External Controller (IDC) or Dual Port Option (DPO) attached	Any two M2322K M2333K/KS/P M2344K/KS M2372K/KS M2382K/P M2392K with an SCSI External Controller (IDC) or Dual Port Option (DPO) attached
POWER SUPPLY *(Fujitsu Model #)*	Up to two Single Power Supplies part #B14L-5105-0244A		Up to two Single Power Supplies part #B14L-5105-0178A or B14L-5105-0244A	
	One Dual Power Supply part #B14L-5105-0247A		One Dual Power Supply part #B14L-5105-0187A or B14L-5105-0247A	

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M2350A M2360A M2380A

- Up to 18 MB/s data transfer rate
- Up to 889 MB capacity
- Fully self-contained power supply and cooling
- High reliability

SPECIFICATIONS	M2350A	M2360A	M2380A
READ/WRITE CHANNELS	1, 4, 5		1, (4, 6), 5
HEAD GROUPS	20, 5, 4		27, (6, 4), 4
DRIVE CAPACITY			
Unformatted:	474 MB	689 MB	1000.2, (889.1), 740.9
DISKS	6		8
TRACK CAPACITY			
Unformatted:	28,160 B	40,960 B	49,728 B
TRACKS PER CYLINDER	20, 5, 4		27, (24), 20
CYLINDERS	841 + 1 (CE)		745
POSITIONING TIME			
Track to track:	5.5 ms		4 ms
Average:	18 ms		16 ms
Maximum:	35 ms		33 ms
AVERAGE LATENCY	7.58 ms	8.17 ms	8.09 ms
ROTATIONAL SPEED	3,961 RPM	3,672 RPM	3,709 RPM
RECORDING DENSITY	12,790 bpi	18,620 bpi	25,211 bpi
TRACK DENSITY	880 TPI		1,193 TPI
DATA TRANSFER RATE			
1 channel:	1.859 MB/s	2.501 MB/s	3.074 MB/s
4 channel:	7.436 MB/s	10.03 MB/s	12.240 MB/s
5 channel:	9.295 MB/s	12.534 MB/s	15.370 MB/s
6 channel:			18.444 MB/s
RECORDING CODE	MFM	RLL (2, 7)	RLL (1, 7)
INTERFACE	MSMD	HSMD	ESMD
START TIME	<40 sec.		
STOP TIME	<15 sec.		
POWER REQUIREMENT	100–240 VAC, 10–4 A, 50/60 Hz		
DIMENSIONS (H x W x D)	14 in. x 19 in. x 27 in.		7 in. x 8.5 in. x 30 in.
WEIGHT	187 lbs.		66 lbs.

M243X



- 200 ips start/stop operation
- Tri-density 800/1,600/6,250 bpi
- Pertec compatible interface available through third party company
- STC compatible interface
- Extensive diagnostics
- World-proven reliability

SPECIFICATIONS	M243X L1/L2/L8
MOTION CONTROL	Microprocessor controlled vacuum column
RECORDING CODE/DENSITY	
Phase-encoded:	1,600 bpi
Group code recording:	6,250 bpi
NRZI (optional):	800 bpi
TAPE SPEED	
Start/stop:	125 ips or 200 ips
Streaming:	or 200 ips
Rewind:	65 sec. avg. (2400′ reel)
ACCESS TIME	
Streaming:	4.5 ms @ 200 ips GCR
Start/stop:	1.6 ms @ 200 ips GCR
POSITIONING TIME	
Read:	9.5 ms @ 200 ips
Write:	17.3 ms @ 200 ips
REINSTRUCTION TIME	
Read:	1.3 ms @ 200 ips GCR
Write:	0.5 ms @ 200 ips GCR
IBG	0.3 in. GCR, 0.6 in. PE/NRZI
DATA TRANSFER RATE	1.25 MB/s @ 200 ips GCR
REEL SIZE	Half or full size reels
LOADING TIME	12 sec. auto load
INTERFACE	STC type
POWER REQUIREMENT	200/208/220/230/240 VAC, 50/60 Hz
CONFIGURATION	8 drives per formatter

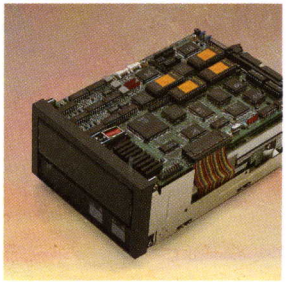
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M244X

- Low cost GCR drive
- 256 KB buffer with auto error recovery
- Start/Stop emulation
- Comprehensive self-diagnostics

SPECIFICATIONS	M2441AC M2442AC	M2443AC M2444AC
MOTION CONTROL	Microprocessor controlled direct reel to reel servo	
TAPE SPEED		
Start/Stop:	12.5 ips	25 ips
Streaming:	100 ips	75 ips
Rewind time:	136 sec. (2400 ft. reel)	
DATA TRANSFER RATE*		
Start/stop:	78 KB/sec GCR	156 KB/sec GCR
Streaming:	Variable 60 KB/sec – 1 MB/sec	
RECORDING CODE/DENSITY	1600 BPI (PE)/6250 BPI (GCR)	
CAPACITY	160 MB (GCR), 40 MB (PE)	
BUFFER	256 KB	
REEL SIZE	All industry standard reels	
LOADING TIME	10 sec.	
POWER REQUIREMENT	100/120/200/240 VAC, 50 or 60 Hz	
DIMENSIONS (H x W x D)		
Rack Mount:		
(M2442AC, M2444AC)	22.6 in. x 19 in. x 22.8 in.	
Floorstanding:		
(M2441AC, M2443AC)	39.4 in. x 19.7 in. x 27.6 in.	
WEIGHT		
Rack Mount:		
(M2442AC, M2444AC)	165 lbs.	
Floorstanding:		
(M2441AC, M2443AC)	254 lbs.	



M2451 M2452

- 5.25" form factor, compact cartridge
- 130 or 220 MB formatted capacity
- Streaming, start/stop operation
- Up to 3 MB/s transfer rate
- Embedded SCSI controller
- 0.5" cartridge tape

SPECIFICATIONS	M2451E	M2452E
CAPACITY		
Unformatted:	191 MB	233 MB
Formatted:	130 MB streaming 88 MB start/stop	220 MB streaming 140 MB start/stop
DATA TRANSFER RATE		
Streaming:	225/150 KB/s	
Start/stop:	150 KB/s	
TAPE SPEED		
Streaming:	75/50 ips	
Start/stop:	50 ips	
RECORDING DENSITY	12,000 bpi	
TRACKS		
2 track serpentine:	20	32
ACCESS TIME		
75 IPS:	150–300 ms	
50 IPS:	60–100 ms	
MEDIA	0.5 in. cartridge	
INTERFACE		
Host:	SCSI	
RECORDING METHOD	MFM	
INTERBLOCK GAP		
Streaming:	0.7 in.	0.35 in.
Start/stop:	4.5 in.	4.5 in.
REWIND SPEED	100 IPS	
READ RELIABILITY	1 x 10^{-12} hard errors	
POWER REQUIREMENTS	+5 V ±5%, 3 A +12 V ±5%, 3.5 A (10 A max 10 ms)	
DIMENSIONS (H x W x D)	3.25 in. x 5.75 in. x 8 in.	
WEIGHT	7 lbs.	

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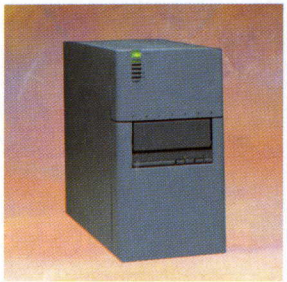
M2480

- Full IBM 3480 18-track compatibility
- Data compression option supports 400 MB capacity per cartridge
- SCSI controller
- Optional automatic cartridge loader

SPECIFICATIONS	DRIVE UNIT—M2481A	M2481B
RECORDING METHOD	D²NRZI	37,871 byte/inch
TRACKS	18	
TAPE SPEED	1 meters/sec. (39.3 ips)	2 meters/sec. (79 ips)
TRANSFER RATE	1.5 MB/s (compression option available)	3.0 MB/s
CAPACITY	200 MB/cartridge (average 400 MB with compression)	
LOAD TIME	7 sec.	
UNLOAD TIME	48 sec.	
CARTRIDGE LOADER		
Optional:	5 or 10 cartridges	
DIMENSIONS (H x W x D)	5 in. x 8.5 in. x 15 in.	
	MEDIA	
TAPE WIDTH	0.5 in.	
TAPE LENGTH	540 feet	
DIMENSIONS (H x W x D)	4.3 in. x 5 in. x 1 in.	
	CONTROL UNIT—M1016A	**M1016B**
INTERFACE	SCSI	
DIMENSIONS (H x W x D)	3.5 in. x 19 in. x 27 in.	
BUFFER SIZE	2 MB	
TRANSFER RATE		
Asynchronous:	1.5 MB/sec	3.0 MB/sec
Synchronous:	4.0 MB/sec	4.0 MB/sec
	SUBSYSTEM	
MAX. CONFIGURATION	1 controller x 4 drives	

IBM is a trademark of International Business Machines Corp.
**The M2480 subsystem consists of the 2481A tape unit and the M1016A controller.*

StorEdge™



- Up to 960MB (formatted) per enclosure
- Up to 3 disk/tape drives per enclosure
- Compact size
- Std. SCSI bus interface
- 220MB, 0.5″ cartridge tape drive optional
- Software support for IBM® PC/XT/AT under MS-DOS and Novell 2.1x available

SPECIFICATIONS	StorEdge
CAPACITY	
Disk:	320 MB per drive (formatted)
Tape:	220 MB streaming, 140 MB start/stop
DRIVES	3 per enclosure, 2 tape drives max.
ACCESS TIME	
Disk:	18 ms
INTERFACE	SCSI, single-ended
TRANSFER RATE	
Disk:	1.1 MB/s; 2.5 MB/s burst
Tape:	225 KB/s; 3.0 MB/s burst (streaming) 150 KB/s; 3.0 MB/s burst (start/stop)
BACKUP/RESTORE	9.5 MB/minute
RELIABILITY	
Disk:	30,000 hours MTBF
Tape:	15,000 hours MTBF
POWER	110–240 VAC, 47–63Hz, auto-ranging
DIMENSIONS (H x W x D)	13.375 in. x 7.0 in. x 14.75 in.
AGENCY	UL/CSA/VDE(TUV)/FCC & VDE Class B
IBM PC XT/AT SOFTWARE	
Compatibility:	IBM XT 5160 model 89 and IBM AT 5170 model 339 (MS/DOS 2.1–3.3)
Disk Manager:	Installation, partitioning and driver
Tape Manager:	Backup and restore with verification
Novell Netware 2.1x:	Disk installation and driver
DEC 3100:	Compatible

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StorEdge is a registered trademark of Fujitsu America, Inc.

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PRINTER PRODUCTS

23. DOT MATRIX

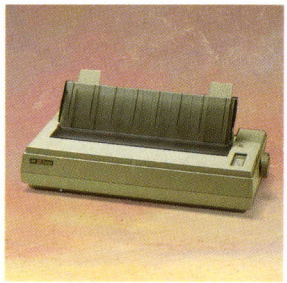
28. LASER

35. BAND

36. IMAGE SCANNER

38. ACCESSORIES/ OPTIONS/SUPPLIES

DX2300 DX2400

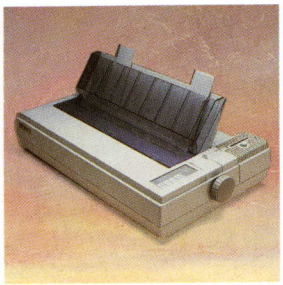


- High speed draft—324 cps
- Superior paper handling
- Unique paper parking feature
- Quiet operation—55 dBA
- User upgradeable color option

SPECIFICATIONS	DX2300	DX2400
PRINTING SPEED		
Draft quality:	270 cps (10 cpi), 324 cps (12 cpi)	
Near-letter quality:	54 cps (10 cpi)	
FONTS		
Near-letter quality:	Courier 10, Italic	
INPUT BUFFER	10 KB	8 KB
PRINT LINE		
Characters at 10 cpi:	80	136
LINE FEED SPEED	100 ms at 6 ipi	
FORM FEED SPEED	4.0 in./s	
NUMBER OF COPIES	Max. 3 (including original)	
PAPER HANDLING		
Standard:	Friction-feed platen and built-in bidirectional rear-feed tractor with paper parking. Cut sheets can be fed without removing continuous forms.	
Optional:	Single-bin ASF300 cut sheet feeder.	
PAPER SIZES		
Cut sheets:	4 in. to 10 in.	4 in. to 15 in.
Continuous forms:	4 in. to 10.5 in.	4 in. to 16.5 in.
INTERFACES	Centronics or RS-232C	
EMULATIONS	Epson FX80, IBM Graphics Printer and IBM Proprinter. (color) Epson JX-80 or DEC LA50 and Okidata 192/193 +	
DIMENSIONS (H x W x D)	4.7 in. x 17.2 in. x 13.6 in.	4.7 in. x 22.8 in. x 13.6 in.
WEIGHT	20.2 lbs.	25.7 lbs.
NOISE LEVEL	55 dBA	
HEAD LIFE	200 million strokes per pin	
OPTIONAL	User installable color kit	
RIBBONS	Black fabric, four color fabric	

Centronics, IBM Graphics Printer/IBM Proprinter, Diablo 630 API, and Epson JX-80 are trademarks of Centronics Data Corporation, International Business Machines Corporation, Diablo Systems Incorporated, and Epson Corporation, respectively.

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DL3300 DL3400

- Feature-rich, low-cost 24-wire
- Fast at 288 cps
- Superior paper handling
- Unique paper parking feature
- Quiet operation—55 dBA

SPECIFICATIONS	DL3300	DL3400
PRINTING SPEED		
High speed draft quality:	240 cps (10 cpi), 288 cps (12 cpi)	
Draft quality:	180 cps (10 cpi), 216 cps (12 cpi)	
Letter quality:	60 cps (10 cpi), 72 cps (12 cpi)	
FONTS		
Letter quality:	Courier 10, Prestige Elite, Compressed	
FONT CARDS		
Optional:	Orator, Letter Gothic 12, Scientific 12, Light Italic, Boldface PS	
INPUT BUFFER	256 B, 2, 8, or 24 KB front panel selectable	
PRINT LINE		
Characters at 10 cpi:	80	136
LINE FEED SPEED	Less than 100 ms at 6 ipi	
FORM FEED SPEED	4.0 in./s	
NUMBER OF COPIES	Max. 3 (including original)	
PAPER HANDLING		
Standard:	Friction-feed platen and built-in bidirectional rear-feed tractor with paper parking. Cut sheets can be fed without removing continuous forms. Top of form tear-off.	
Optional:	Single or double-bin cut sheet feeder.	
PAPER SIZES		
Cut sheets:	4 in. to 10 in.	4 in. to 16.5 in.
Continuous forms:	4 in. to 10.5 in.	4 in. to 16.5 in.
INTERFACES	Centronics or RS-232C	
EMULATIONS	IBM Graphics Printer, IBM Proprinter XL, Diablo 630 API, Epson FX-80 and Epson JX-80 (for color printing)	
WORD PROCESSING FUNCTIONS	Underscore, bold overprint, shadow print, justification, italics	
DIMENSIONS (H x W x D)	5 in. x 17.2 in. x 13.6 in.	4.7 in x 22.8 in. x 13.6 in.
WEIGHT	20 lbs.	26 lbs.
NOISE LEVEL	55 dBA	
HEAD LIFE	300 million strokes (each wire)	
OPTIONAL	User installable color kit	
RIBBONS	Black fabric, four color fabric, four color transparency, film	



DL4400

- Heavy duty, midrange 24-wire
- Fast at 264 cps
- Automatic paper loading
- 48 character LCD
- Bottom feed, varied paper

SPECIFICATIONS	DL4400
PRINTING SPEED	
Draft quality:	220 cps (10 cpi), 264 cps (12 cpi)
Report quality:	146 cps (10 cpi), 176 cps (12 cpi)
Letter quality:	73 cps (10 cpi), 88 cps (12 cpi)
RESIDENT FONTS	
Letter quality:	Courier 10, Prestige Elite 12, Boldface PS, Pica 10, Compressed
FONT CARDS	
Optional:	Dutch 801, Script, Fancy; Swiss 721, Script, Fancy; Courier,* Letter Gothic 12, Light Italic, Orator 10; Prestige,* Letter Gothic 12, Light Italic, Orator 10; Orator 10, Light Italic 12; Scientific 12, Letter Gothic 12; OCR/A, OCR/B
OPERATOR PANEL	48 character LCD
INPUT BUFFER	256 B, 2 KB, 8 KB or 24 KB (user selectable)
LINE FEED SPEED	100 ms (⅛ inch)
FORM FEED SPEED	4 ips
NUMBER OF COPIES	5 (including original)
PAPER HANDLING	
Standard:	Friction-feed platen and built-in bidirectional rear-feed tractor with paper parking. Cut sheets can be fed without removing continuous forms. Automatic paper bail. Top of form tear-off.
Optional:	Bottom feed pull tractor. Single, double and triple bin sheet feeders.
PAPER SIZES	4 to 16.5 inches, 4 to 15 inches (bottom feed)
INTERFACE	Dual Centronics/RS-232C
EMULATIONS	
Resident:	IBM Proprinter XL24, Fujitsu DPL24C PLUS (including Bar code), LQ-2500
Optional:	Optional Emulations Available
WORD PROCESSING FUNCTIONS	Underscore, bold overprint, shadow print, justification, italics
DIMENSIONS (H x W x D)	7.5 in. x 22.9 in. x 15.2 in.
WEIGHT	39.7 lbs.
NOISE LEVEL	53 dBA (quiet mode available)
HEAD LIFE	300 million strokes (each wire)
RIBBONS	Black fabric, four color fabric, four color transparency, film

**Deluxe type with varying CPI.*

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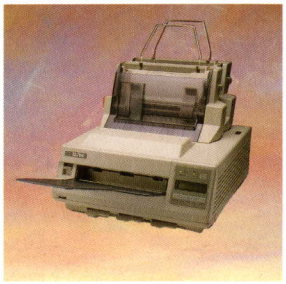


DL5600

- Super high speed heavy duty 24-wire
- Industry's fastest—486 cps draft
- Rear "tilt" tractors with ultrasmooth paper path
- Unique paper parking feature
- Prints on 8 part forms

SPECIFICATIONS	DL5600
PRINTING SPEED	
Draft quality:	405 cps (10 cpi), 486 cps (12 cpi)
Report quality:	270 cps (10 cpi), 324 cps (12 cpi)
Letter quality:	135 cps (10 cpi), 162 cps (12 cpi)
RESIDENT FONTS	
Letter quality:	Courier 10, Prestige Elite, Boldface PS, Compressed
FONT CARDS	
Optional:	Orator, Light Italic, Letter Gothic 12, Scientific 12
OPERATOR PANEL	16-character LCD
INPUT BUFFER	256 B, 2, 8, or 24 KB front panel selectable
PRINT LINE	13.6 in., 136 characters at 10 cpi
LINE FEED SPEED	42 ms at 6 lpi
FORM FEED SPEED	9 in./s
NUMBER OF COPIES	8 (including original)
PAPER HANDLING	
Standard:	Friction-feed platen and built-in bidirectional rear bottom-feed tractor. Cut sheets can be fed without removing continuous forms. Top of form tear-off.
Optional:	Single-bin cut sheet feeder, plus additional optional bins, for double- or triple-bin capacity.
PAPER SIZES	4 in. to 16.5 in. wide, max. 0.016 in. thick
INTERFACES	Centronics or dual RS-232C/Centronics
EMULATIONS	IBM Graphics Printer/Proprinter XL, Diablo 630 API, Fujitsu DPL24C and DPL24D, Color Epson JX-80 (Factory configured color option)
WORD PROCESSING FUNCTIONS	Underscore, bold overprint, shadow print, justification, italics
DIMENSIONS (H x W x D)	7.3 in. x 23.6 in. x 15.2 in.
WEIGHT	45 lbs.
NOISE LEVEL	55 dBA
HEAD LIFE	400 million strokes (each wire)
RIBBONS	Black fabric, four color fabric, four color transparency, film

Centronics, IBM Graphics Printer/IBM Proprinter, Diablo 630 API, and Epson JX-80 are trademarks of Centronics Data Corporation, International Business Machines Corporation, Diablo Systems Incorporated, and Epson Corporation, respectively.

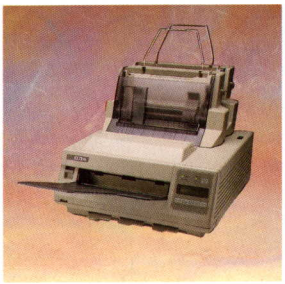


RX7100

- 5 ppm LED page printer
- Compact and lightweight
- Easy and advanced paper handling
- Various emulations
- Convenient font card and emulation card support

SPECIFICATIONS	RX7100
PRINTING TECHNIQUE	LED/electrophotography
PROCESSOR	68000 (8 MHz)
PRINTING SPEED	
A-4, letter:	5 ppm
IC CARD INTERFACES	Three IC card slots for additional emulation programs and fonts
FONTS	
Resident:	Courier 10 (Portrait & Landscape), Line Printer 16.66
Optional IC card fonts:	Over 100
EMULATION	
Resident:	HP Laserjet Plus
Optional IC card:	Diablo 630, Epson FX-85, HPGL (7475A), IBM Proprinter
SYSTEM RAM	
Standard:	640 KB
Optional:	up to 4.6 MB
RESOLUTION	300 x 300 dpi
PAPER SIZES	
Cassette feed:	
letter	8.5 in. x 11 in.
legal	8.5 in. x 14 in.
A4	8.3 in. x 11.7 in.
B5	7.2 in. x 10.1 in.
envelopes	
Manual feed:	
postcard size min.	4.1 in. x 5.8 in.
envelopes	
PAPER THICKNESS	
Cassette feed:	14 lb. to 28 lb.
Manual feed:	14 lb. to 28 lb.
PAPER INSERTION	
Standard:	Automatic cassette (150-sheet max.)
Optional:	Second cassette (150-sheet max.)
PAPER EJECTION	Face-down collation
INTERFACE	Centronics parallel and RS-232C serial
DIMENSIONS (H x W x D)	6.7 in. x 16 in. x 15.7 in.
WEIGHT	37.5 lb.
NOISE LEVEL	Less than 53 dBA
POWER CONSUMPTION	Less than 1 KVA

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RX7100PS RX7100PS+

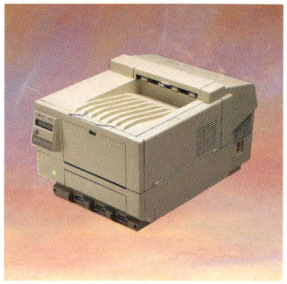
- 5 ppm LED page printer
- IBM® and Apple® compatible
- Easy and advanced paper handling
- Adobe® PostScript® page description language
- Convenient font card and emulation card support

SPECIFICATIONS	RX7100PS	RX7100PS+
PRINTING TECHNIQUE	LED/electrophotography	
PAGE DESCRIPTION LANGUAGE	Adobe PostScript	
PROCESSOR	68000 (12.5 MHz)	
PRINTING SPEED	A-4, letter: 5 ppm	
IC CARD INTERFACES	Three IC card slots for additional emulation programs and fonts	
FONTS		
Resident:	35 PostScript fonts	
Optional IC card fonts:	Over 100	
EMULATION		
Resident:	HP LaserJet Series II	
Optional IC card:	Diablo 630, Epson FX-85, HPGL (7475A), IBM Proprinter	
SYSTEM RAM	2 MB	4 MB
RESOLUTION	300 x 300 dpi	
PAPER SIZES		
Cassette feed:		
letter	8.5 in. x 11 in.	
legal	8.5 in. x 14 in.	
A4	8.3 in. x 11.7 in.	
B5	7.2 in. x 10.1 in.	
envelopes		
Manual feed:		
postcard size min.	4.1 in. x 5.8 in.	
envelopes		
PAPER THICKNESS		
Cassette feed-Manual feed:	14 lb. to 28 lb.	
PAPER INSERTION		
Standard:	2 cassettes (150 sheet each)	
PAPER EJECTION	Face-down collation	
INTERFACE	Centronics parallel, RS-232C, RS-422 serial, AppleTalk	
DIMENSIONS (H x W x D)	6.7 in. x 16 in. x 15.7 in.	
WEIGHT	37.5 lb.	
NOISE LEVEL	Less than 53 dBA	
POWER CONSUMPTION	Less than 1 KVA	

IBM and IBM Proprinter, Apple and AppleTalk; HP, HP LaserJet Plus and HP LaserJet Series II; Adobe PostScript, Epson FX-85 and Diablo 630 are trademarks of International Business Machines Corporation, Apple Computer, Inc., Hewlett-Packard Corporation, Adobe Systems, Inc., Seiko Epson Corporation and Diablo Systems, Inc., respectively.

RX7200

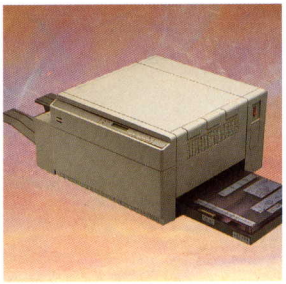
- One side operation
- High print quality
- Easy paper handling
- Up to 25,000 pages per month



SPECIFICATIONS	RX7200
PRINTING TECHNIQUE	Laser/electrophotography
PRINTING SPEED	
A-4, letter:	12 ppm
IC CARD INTERFACES	Three IC card slots for additional emulation programs and fonts
FONTS	
Resident:	Courier 10 (Portrait & Landscape), Prestige Elite 12 (Portrait & Landscape), Line Printer (Portrait & Landscape), Times New Roman 10
Optional IC card fonts:	Over 100
EMULATION	
Resident:	HP Laserjet Plus, Diablo 630, Epson FX-85, IBM Proprinter
Optional IC card:	HPGL (7475A) (with HP Series II)
SYSTEM RAM	
Standard:	640 KB
Optional:	Up to 4 MB additional
RESOLUTION	300 x 300 dpi
PAPER SIZES	
Cassette feed:	
letter	8.5 in. x 11 in.
legal	8.5 in. x 14 in.
A4	8.3 in. x 11.7 in.
B5	7.2 in. x 10.1 in.
Manual feed:	
postcard size min.	4.1 in. x 5.8 in.
PAPER THICKNESS	
Cassette feed:	17 lb. to 24 lb.
Manual feed:	17 lb. to 24 lb.
PAPER INSERTION	
Standard:	Automatic cassette (250-sheet max.) Second cassette (250-sheet max.)
PAPER EJECTION	Face-down collation
INTERFACE	Centronics parallel and RS-232C serial
DIMENSIONS (H x W x D)	13.5 in. x 16.9 in. x 21.6 in.
NOISE LEVEL	Less than 50 dBA
POWER CONSUMPTION	Less than 1 KVA

HP LaserJet, Diablo 630 API, Epson FX-85, Centronics, and IBM Proprinter are trademarks of Hewlett-Packard Inc., Diablo Systems Incorporated, Epson Corporation, Centronics Data Corporation and International Business Machines Corporation.

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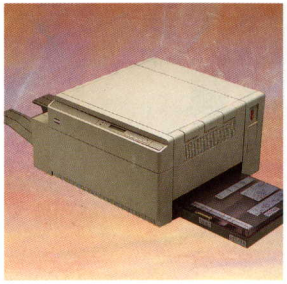


RX7300E

- Up to 50,000 pages per month
- Low cost of ownership—3.5¢/page*
- Flexible paper handling
- High speed 18 ppm printing

SPECIFICATIONS	RX7300E
PRINTING TECHNIQUE	Laser/electrophotography
PRINTING SPEED	
Letter:	18 ppm
IC CARD INTERFACES	Three IC card slots for additional emulation programs and fonts
RESIDENT FONTS	Courier 10, Prestige Elite 12, Line Printer 8, Times Roman 10, Times Roman 8, Times Roman 12, Swiss PS 14
EMULATION	
Resident:	Epson FX-80, Diablo 630 API, Qume Sprint 11, IBM Proprinter, Fujitsu M304X Line Printer, Hex Dump, Layout DDL, HP LaserJet Plus.
Optional IC card:	HPGL (7475A)
SYSTEM RAM	
Standard:	2.5 MB
RESOLUTION	300 x 300 dpi
PAPER SIZES	
Cassette feed:	
letter	8.5 in. x 11 in.
legal	8.5 in. x 14 in.
A4	8.3 in. x 11.7 in.
B4	10.1 in. x 14.3 in.
B5	7.2 in. x 10.1 in.
Manual feed:	
postcard size min.	4.1 in. x 5.8 in.
PAPER THICKNESS	
Cassette feed:	17 lb. to 24 lb.
Manual feed:	17 lb. to 32 lb.
PAPER INSERTION	
Standard:	Automatic cassette (250-sheet max.)
Optional:	Second cassette (250-sheet max.) Large capacity hopper (1000 sheets)
PAPER EJECTION	Face-down collation with job separation control. Alternate face-up stacker included
INTERFACE	Centronics, RS-232C, RS422
DIMENSIONS (H x W x D)	
Without paper cassette and stacker	12.2 in. x 19.1 in. x 20.1 in.
WEIGHT	95 lbs.
NOISE LEVEL	Less than 52 dBA
POWER CONSUMPTION	Less than 1 KVA

**3.5¢ page includes purchase price of the printer amortized over 5 years, cost of consumables, a service contract and paper.*



RX7400

- Accommodates engineering size documents
- High speed printing at 22 ppm
- Up to 50,000 pages per month
- Flexible paper handling

SPECIFICATIONS	RX7400
PRINTING TECHNIQUE	Laser/electrophotography
PRINTING SPEED	
Letter:	22 ppm
IC CARD INTERFACES	Three IC card slots for additional emulation programs and fonts
RESIDENT FONTS	Courier 10, Prestige 12, Lineprinter 8, Times Roman 12, Times Roman 10, Times Roman 8, Swiss PS14
RESIDENT EMULATION	Diablo 630, Qume Sprint 11, Epson FX-80, IBM Proprinter, HP LaserJet and Fujitsu M304X Lineprinter, Layout DDL, Hex dump
SYSTEM RAM	
Standard:	2.5 MB
RESOLUTION	300 x 300 dpi
PAPER SIZES	
Cassette feed:	
letter	8.5 in. x 11 in.
legal	8.5 in. x 14 in.
ledger	11 in. x 17 in.
Manual feed:	
postcard size min.	4.1 in to 5.8 in.
PAPER THICKNESS	
Cassette feed:	17 lb. to 24 lb.
Manual feed:	17 lb. to 32 lb.
PAPER INSERTION	
Standard:	Automatic cassette (250-sheet max.)
Optional:	Second cassette (250-sheet max.) Large capacity hopper (1,000 sheets)
PAPER EJECTION	Face-down collation. Alternate face-up stacker included
INTERFACES	Serial RS-232 and Centronics parallel, RS-422
DIMENSIONS (H x W x D)	12.2 in. x 19.1 in. x 22 in.
WEIGHT	110 lbs.
NOISE LEVEL	Less than 52 dBA
POWER CONSUMPTION	1.1 KVA

Diablo 630, Qume Sprint II, Epson FX-80, IBM Proprinter and HP LaserJet, are trademarks of Diablo Systems Inc., Qume Corp., Seiko/Epson Corp., International Business Machines Corp., and Hewlett-Packard Inc., respectively.

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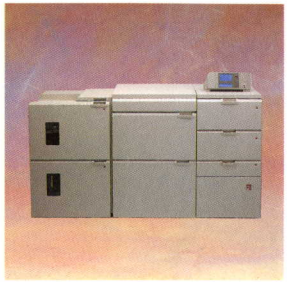
M3054

- Wide printline, 16.5″ on fan-fold paper
- Speeds up to 2000 lpm (12 lpi)
- Non-contact fusing for substrate flexibility
- Ideal for high quality labels

SPECIFICATIONS	M3054
TECHNOLOGY	Laser diode electrophotograph
PRINTING SPEED	Up to 2000 lpm at 1/12 inch lines
LINE SPACING	6, 8, 10, and 12 line/inch
RESOLUTION	240 dpi
PRINTLINE	16.5″ (165 columns at 10 cpi)
FORM HANDLING	Single part fanfold continuous, sprocketed forms
INTERFACE	Channel or Centronics
POWER REQUIREMENTS	200/208/220/230/240/380/415 VAC, 50/60 Hz, 3.5 kVA (operating)
DIMENSIONS (H x W x D)	47.2 in. x 55.9 in. x 31 in.
WEIGHT	1,323 lb.

M3773NA

- High speed 50 ppm printing
- Average 400,000 pages per month
- Duplex printing option in all paper sizes



SPECIFICATIONS	M3773NA
TECHNOLOGY	Laser/electrophotography
PRINTING SPEED	50 ppm (letter size)
RESOLUTION	240 x 240, 300 x 300 dpi
ENGINE INTERFACE	FJ video
PAPER SIZE	A5 through 11 x 17
INPUT HOPPER	Two 1,500 page inputs, one 500 page (optional)
OUTPUT HOPPER	Two 1,500 page outputs with job offset function
DUPLEX PRINTING	Standard, all paper sizes
DUTY CYCLE	Average 400,000 pages/mo. (letter size)
DIMENSIONS (H x W x D)	46 in. x 80 in. x 25.6 in.

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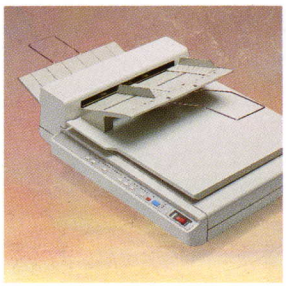


M304X

- Speeds of up to 1,200 lpm
- Quiet operation — under 55 dBA
- Suitable for demanding applications

SPECIFICATIONS	M3041	M3042	M3043
PRINTING TECHNIQUE	Print band, impact		
PRINT SPEED			
48-character set:	750 LPM	1,090 LPM	1,420 LPM
64-character set:	600 LPM	900 LPM	1,200 LPM
96-character set:	420 LPM	670 LPM	880 LPM
PRINT POSITIONS	132/136, selectable		
SPACING			
Horizontal:	0.1 in.		
Vertical:	⅙ in. or ⅛ in. switchable		
FORMS FEEDING			
Single line advance:	18 ms (6 LPI) or 15.5 MS (8 LPI)		14 ms (6/8 LPI)
Continuous feeding:	16.7 in./s		
FORMS			
Width:	3 in. to 17 in.		
Length:	7 in. to 14 in.		
COPIES	Max. 6 (including original)		
RIBBON			
Continuous loop:	1.2 in. x 357 ft.		
INTERFACE	Centronics (C type), DPC (D type), RS-232C (R type)		
POWER CONSUMPTION			
64-character set:	700 VA	850 VA	1,600 VA
136 print positions:			
NOISE LEVEL	55 dBA (ECMA standard sound pressure level)		
DIMENSIONS (H x W x D)	43.1 in. x 27.6 in. x 39.6 in.		43.1 in. x 27.6 in. x 41.3 in.
WEIGHT	397 lb.	397 lb.	485 lb.
AMBIENT TEMPERATURE			
Operating:	41°F to 104°F		
Non-operating:	−4°F to 122°F		
Gradient:	27°F/h or below		
RELATIVE HUMIDITY			
Operating:	20% to 80%		
Non-operating:	10% to 90% (non condensing)		
Gradient:	30%/day or less		

Centronics is a trademark of Centronics Data Corporation.



M309X

- Scans documents in as little as 2.2 seconds — 200 dpi
- Multiple resolutions 200, 240, 300, 400 dpi
- Recognizes 64-step grey scale
- Flatbed for single sheet or multi-sheet bin feeder

SPECIFICATIONS	M3093E	M3096E	M3096F
TECHNOLOGY	CCD Image Sensor		
DOCUMENT SIZE (on flat bed)			
Min.:	5.8 in x 8.3 in. (A5)		
Max.:	8.5 in. x 11.7 in.	11.7 in. x 17 in. (A3)	
RESOLUTIONS	200, 240, 300, 400 pixels per inch		
GRAY SCALE	64 steps		
SCANNNING TIME (200 pixels per inch)			
Letter size:	1.7 seconds	2.2 seconds	
DOCUMENT FEEDING	Flat bed plus automatic document feeder (ADF) (up to legal)	Flat bed plus automatic document feeder (ADF)	Flat bed only
INTERFACES	RS-232C (control signal) + local (video signal)		
VIDEO OUTPUT	Binary video or dithered video (selectable by the half-tone switch)		
OPTION	Image processor board	Dynamic threshold circuit	
POWER REQUIREMENTS	100 to 120 VAC, 50/60 Hz; 220 to 240 VAC, 50/60 Hz; 220 V A		
OPERATING ENVIRONMENT	41°F to 95°F (5°C to 35°C), 20% to 80% (non condensing)		
DIMENSIONS (H x W x D)	6.6 in. 20.9 in. 15.2 in.	6.5 in. 26.7 in. 19.6 in.	3.3 in. 25.9 in. 19.6 in.
WEIGHT	40.0 lbs.	59.5 lbs.	48.5 lbs.

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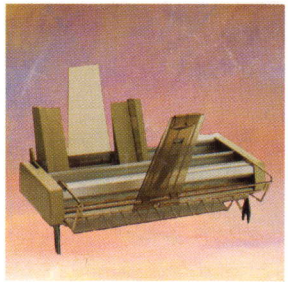
IMAGE SCANNER

- Scanner optimized for desktop publishing
- 64-level grey scale with 75 to 1,200 dpi resolution
- Many built-in image editing functions
- Black-and-white, multi-level or dithered output
- PC compatible

SPECIFICATIONS	IMAGE SCANNER
TECHNOLOGY	CCD Image sensor
DOCUMENT SIZE	8.5 in. x 11.7 in. (max)
RESOLUTION	300 dpi (75 dpi to 1200 by zooming)
GRAY SCALE	64 steps, dithered or 6 bit level (selectable)
SCANNING TIME	11.3 sec. (letter size)
INTERFACE	SCSI, with host adapter and cable for IBM 286/386 PC
SCANNING AND EDITING SOFTWARE	Fujitsu Paintbrush PB4+
INTERNAL SCANNER FUNCTIONS	—Zooming, 25% to 400% (1% steps) —Automatic Discrimination —Image Emphasis —Dynamic Thresholding —Cropping —Subwindows —Negative and Mirror images, illustration
POWER REQUIREMENTS	110 V 50/60 Hz, 130 VA or less, 220 V 50/60 Hz
DIMENSIONS (H x W x D)	3.8 in. x 12 in. x 18.1 in.
WEIGHT	13.2 lbs.

SHEETFEEDERS

- Increases productivity
- Adds flexibility
- Carefully designed to match each printer



SPECIFICATIONS	DX2100/DX2300	DX2200/DX2400
SHEETFEEDER MODEL		
Single bin:	ASF300–FJ2101	ASF300–FJ2201
TRAY/BIN CAPACITY	100 sheets	100 sheets
ENVELOPE BIN CAPACITY	N/A	N/A
PAPER FORMATS		
Width (min./max.):	5.8 in–10 in.	5.8 in–14 in.
Height (min./max.):	6.2 in–14 in.	8.5 in–14 in.
PAPER WEIGHT	16 lbs.–24 lbs.	16 lbs.–24 lbs.
TYPE OF FEED	Continuous	Continuous

SPECIFICATIONS	DL3300	DL3400	DL4400 DL5600
SHEETFEEDER MODEL			
Single bin:	ASF300–FJ3301	ASF300–FJ3401	D86L-6001-0603
Second bin attachment:	ASF300–FJ3311	ASF300–FJ3411	D86L-6001-0703
Third bin attachment:	N/A	N/A	D86L-6001-0753
TRAY/BIN CAPACITY			
Single bin:	100 sheets	100 sheets	160 sheets
Second bin:	100 sheets	100 sheets	100 sheets
Third bin:	N/A	N/A	100 sheets
ENVELOPE BIN CAPACITY	N/A	N/A	40–50*
PAPER FORMATS			
Width (min./max.):	5.8 in.–10 in.	5.8 in.–14 in.	7.2 in.–14.3 in.
Height (min./max.):	6.2 in.–14 in.	6.2 in.–14 in.	7.2 in.–14.3 in.
PAPER WEIGHT	16 lbs.–24 lbs.	16 lbs.–24 lbs.	16 lbs.–24 lbs.
TYPE OF FEED	Demand	Demand	Demand

SPECIFICATIONS	DL2400/DL2600/SP320
SHEETFEEDER MODEL	
Single bin:	ASF521
Double bin:	ASF522
Triple bin:	ASF523
TRAY/BIN CAPACITY	
Single bin:	220 sheets
Second bin:	220 sheets
Third bin/envelope:	50 envelopes
ENVELOPE BIN CAPACITY	50 (third bin only)
PAPER FORMATS	
Width (min./max.):	4 in.–14 in.
Height (min./max.):	8 in.–14 in.
PAPER WEIGHT	16 lbs.–24 lbs.
TYPE OF FEED	Demand

*1st Bin Only

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IMPACT PRINTERS

- Printer ribbons
- Color upgrade kits
- Printerhead kits
- Transparency film sheets
- Forms tractors
- Font cartridges/cards

NON-IMPACT PRINTERS

- Maximizes print quality
- Cost effective
- Wide choice of typefaces for correspondence, desktop publishing and forms
- Optional paper bins



FUJITSU PRINTER SUPPLIES

PRINTER SERIES	PRINTER RIBBONS DESCRIPTION	RIBBON LIFE* (CHARACTER IMPRESSIONS)	USED ON PRINTER MODEL
DX	Black Fabric	3 Million	DX2100/DX2200/ DX2300/DX2400/DPMG9
DX	4 Color Fabric	300,000 (Per Color Band)	DX2100/DX2200/ DX2300/DX2400
DL	Black Fabric	15 Million	DL2400/DL2600/ DPL24/DL4400/DL5600
DL	Black Fabric	3.5 Million	DL2400/DL2600 DPL24/DL4400/DL5600
DL	Black Film	210,000 (letter quality)	DL2400/DL2600/ DPL24/DL4400/DL5600
DL	4 Color Fabric	3.5 Million (Per Color Band)	DL2400/DL2600 DPL24/DL4400/DL5600
DL	4 Color Transparency	2.5 Million (Per Color Band)	DL2400/DL2600 DPL24/DL4400/DL5600
DL	Black Fabric	2.5 Million	DL3300/DL3400
DL	4 Color Fabric	300,000 (Per Color Band)	DL3300/DL3400
SP	Multistrike Ribbon	250,000	SP320/SP830
SP	Black Fabric Ribbon	2 Million	SP320/SP830
BAND	Black Fabric	500,000 Lines	M3040/M3041/ M3042/M3043

OPTIONS

PRINTER SERIES	DESCRIPTION	USED ON PRINTER MODEL
DX	Color Upgrade Kit	DX2100/DX2200/DX2300/DX2400
DX	Printhead Kit	DX2100/DX2200
DX	Printhead Kit	DX2300/DX2400
DL	Transparent Film Sheets	DL2400/DL2600/DPL24/DL4400/DL5600
DL	Printhead Kit	DL2400/DL2600/DPL24
DL	Color Upgrade Kit	DL3300/DL3400
DL	Printhead Kit	DL3300/DL3400
DL	Printhead Kit	DL4400
DL	Printhead Kit	DL5600
DL	Font Cartridges	DL2400/DL2600/DPL24
DL	Font Cards	DL3300/DL3400/DL5600/DL4400
DL	Pull Tractor	DL4400
DL	Forms Guide	DL4400

FUJITSU PRINTER ACCESSORIES

DESCRIPTION	PAPER WIDTH (MIN./MAX.)	PAPER WEIGHT (MIN./MAX.)	TYPE OF FEED
Unidirectional Forms Tractor (SP320, 830)	5 in.–16 in.	16 lbs.–24 lbs.	Continuous
Bidirectional Forms Tractor (SP320, 830)	5 in.–16 in.	16 lbs.–24 lbs.	Continuous

**Draft Mode*

FUJITSU LASER PRINTER SUPPLIES

PRINTER SERIES	DESCRIPTION	APPROX. YIELD (PAGES)	USED ON PRINTER MODEL
RX	Process Cartridge	6,000	RX7100/RX7100PS
RX	Ozone Filter	36,000	RX7100/RX7100PS
RX	Toner Cartridge	10,000	RX7200
RX	Developer Unit	20,000	RX7200
RX	Drum Unit	20,000	RX7200
RX	Transfer Unit	60,000	RX7200
RX	Fuser Unit	120,000	RX7200
RX	Print Station Kit #1 Includes:	65,000	RX7300A/E/7400
	—Drum*	65,000	RX7300A/E
	—Developer Station	1,500,000	RX7300A/E
	—Cleaning Station	65,000	RX7300A/E
	—Charge Corona	65,000	RX7300A/E
	—Transfer Unit	65,000	RX7300A/E
RX	Toner Kit	12,000	RX7300A/E/RX7400

ACCESSORIES AND OPTIONS

PRINTER SERIES	DESCRIPTION	USED ON PRINTER MODEL
RX	Optional Second Hopper	RX7100/7200
RX	Font Cards	RX7100/7200/7300/ RX7400
RX	Memory Expansion Boards —1 MB RAM —2 MB RAM —4 MB RAM	RX7100/7200
RX	HP-GL Emulation Card	RX7100/7200/7300
RX	Universal Size Cassette	RX7100
RX	Adjustable Paper Cassette, 250 Sheets (handles A4, B4, Letter and Legal)	RX7200/7300/7400
RX	Legal Size Cassette	RX7200/7300/7400
RX	Large Capacity Hopper (1,000 Sheet Capacity)	RX7300/7400
RX	Second Input Hopper	RX7200
RX	Epson FX-85 Emulation Card/IBM Pro	RX7100
RX	Diablo 630 Emulation Card	RX7100
RX	PostScript Upgrade Kit	RX7100

PostScript is a trademark of Adobe Systems, Inc.
**Sold as spare*

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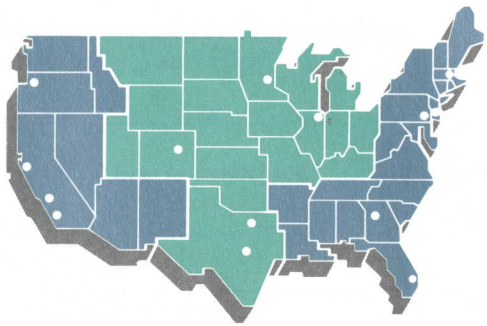
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