



iCOM[®] FD3700 and FD3800 Series Dual Flexible Disk Drive Systems

The iCOM[®] FD3712, Single Density Dual Flexible Disk System, and the FD3812, Dual Density Dual Flexible Disk System, continue the fine traditions established by the iCOM FD360, which is in use throughout the world.

Interfacing is easy using any of iCOM's plug-in interface and software packages for most popular microcomputers. All iCOM interface packages are plug-in compatible with the FD360 and the popular iCOM Frugal Floppies. For unique applications, a simplified general purpose TTL compatible interface is also available at no additional cost.

The 3700 series offers IBM 3740 media and format compatibility, while the 3800 series offers both IBM 3740 and IBM System/34 media and format compatibility. Both iCOM drive system controllers will allow as many as four drives to be used with no additional hardware or software modifications.

A long MTBF (mean time between failure), in excess of 2300 hours, and a short MTTR (mean time to repair), 18 minutes, ensure you of long trouble free service.

3700 and 3800 Flexible Disk Drive Specifications

| | | |
|-------------------------------------|---|-------------------------------------|
| Media | IBM Diskette or equivalent | |
| Tracks per Inch | 48 | |
| Number of Tracks | 77 | |
| Read/Write Track Width | 0.047 mm (0.012 inch) | |
| Physical | | |
| Height | 184.1 mm (7.25 inches) | |
| Width | 487.7 mm (19.20 inches) | |
| Depth | 552.45 mm (21.75 inches) | |
| Weight | 27.3 kg (60 pounds) | |
| Environment | | |
| Temperature | | |
| Operating | 10°C to 42°C (50°F to 110°F) | |
| Non-operating | -40°C to 71°C (-40°F to 160 °F) | |
| Relative Humidity | | |
| Operating | 20% to 80% | |
| Non-operating | 5% to 95% (non-condensing) | |
| Operating Shock | 1.5g for 11 msec | |
| Vibration | 6 — 600 Hz 0.5g peak | |
| Performance | | |
| Seek Time | 10 msec track to track | |
| Head Settling Time | 20 msec (last track addressed) | |
| Head Loading Time | 40 msec (maximum) | |
| Error Rate (Maximum) | 1 per 10 ⁹ recoverable, 1 per 10 ¹² non-recoverable | |
| Head Life | 20,000 hours (normal use) | |
| Media Life | 5 million passes on a single track | |
| Disk Speed | 360 rpm ± 1.5% | |
| Instantaneous Speed Variation | ± 1.6% per Hz at 60 Hz ± 2% per Hz at 50 Hz | |
| Start/Stop Time | 2 seconds (maximum) | |
| Power Requirements | 110/220v ac 50/60 Hz 200w (maximum) | |
| Recording Parameters | 3700 | 3800 |
| Transfer Rate | 250K bits/sec | 250K bits/sec *500K bits/sec |
| Recording Density (inside track) | 3268 bpi | 3268 bpi *6536 bpi |
| Maximum Bits per Disk ¹ | 3.2 million | 3.2 million *6.4 million |
| Maximum Bits per Track ¹ | 41,665 | 41,665 *83,330 |
| Recording Mode | Single Density FM | Single/Double Density FM or MFM* |

¹unformatted.

*Double density mode.

3200 ✓ DUAL/DUAL + 2350 ✓

*2350 ✓ + 2350 ✓
DUAL
SINGLE DENSITY*

MEGABYTE COMPUTER ASSOCIATES
700 Stoney Pt. #7 Newtown Rd.
Norfolk, Virginia 23502
(804) 461-3079

PCC PERTEC
COMPUTER
CORPORATION
MICROSYSTEMS DIVISION

20630 Nordhoff Street, Chatsworth, California 91311
Phone (213) 998-1800 / TWX 910-494-2788

PCC PERTEC
COMPUTER
CORPORATION
BUSINESS SYSTEMS DIVISION

International Marketing Headquarters
17112 Armstrong Avenue, Irvine, California 92714
Phone (714) 540-8340/TWX (910) 595-1912