RESEARCH MACHINES COMPUTER SYSTEMS

U.K. DOMESTIC PRICE LIST-1ST FEBRUARY, 1982

Please ensure that you read the relevant datasheet for full information BEFORE purchase of any item. A separate price list is available for the 480Z 'LINK'.

RESEARCH MACHINES 380Z - FLOPPY DISK SYSTEMS   £
N.B. Field maintenance is available - full details from the SALES OFFICE.

Includes: Keyboard. Processor Disk Drives, CP/M Operating System,
          RML Extended BASIC Interpreter, User I/O Port Cable, High
          Speed Serial Interface, Full Documentation, Dust Cover.

A 40/80 CHARACTER VDU CAN BE FITTED INTO NEW DISK SYSTEMS AT AN EXTRA
COST OF £100. THERE IS NO UHF MODULATOR ON THIS BOARD. ONE CAN BE
FITTED FOR USE ON 40 CHARACTER MODE.

MDS-1 SYSTEM: Single Mini Floppy Disk System, Double-Sided Drives.

	Memory Size:	32K Bytes RAM	1601.00
		56K Bytes RAM	1784.00

MDS-2 SYSTEM: Dual Mini Floppy Disk System, Double-Sided Drives.

	Memory Size:	32K Bytes RAM	1867.00
		56K Bytes RAM	2050.00

FDS-2 SYSTEM: Dual Full Floppy Disk System, Double-Sided Drives.

	Memory Size:	56K Bytes RAM	3347.00

DISK UPGRADES

	£
MDS-1 to MDS-2 Upgrade	316.00
CASSETTE to MDS-1 Upgrade (Cassette to Disk BASIC upgrade included)	729.00
CASSETTE to MDS-2 Upgrade (Cassette to Disk BASIC upgrade included)	995.00
CASSETTE to FDS-2 Upgrade (a memory upgrade to 56K will also be required if your 380Z has less than 56K RAM)	2255.00

N.B: THE MINIMUM MEMORY FOR A MINI DISK SYSTEM IS 32K

MEMORY UPGRADE CHARGES FOR 380Z SYSTEMS

FROM	TO 32K	TO 56K
16K	£59.00	£254.00
20K	£47.00	£242.00
32K	-	£195.00
48K	-	£ 59.00

INTERFACES AND ADD-ON BOARDS   (NB: Separate information sheets are available   £
from the SALES OFFICE for most of these products)

SIO-1B	High Speed Serial Interface (20mA Loop)	110.00
SIO-2	Serial Interface (RS232)	31.50
SIO-2B	Serial Interface (20mA Loop)	31.50
SIO-4C	High Speed Serial Interface (RS232) for Cassette Systems.	89.00
SIO-5C,M or F	An optional second High Speed Interface (RS232) Cassette (C), Mini Disk (M), Full Disk (F) Systems RS232.	89.00
SIO-6	An optional third High Speed Interface for all Systems (RS232).	89.00
HIGH RESOLUTION GRAPHICS BOARD	- Monochrome output to Video Monitor	225.00
MONOCHROME UHF MODULATOR BOARD	- For use with HRG Board, 80/40 board and Monochrome Television.	29.94
PAL/UHF COLOUR BOARD	- With composite video and UHF PAL, for use with HRG Board and UHF Colour Television or PAL Colour Monitor. This board includes BUS TERMINATOR.	134.00
RGB COLOUR BOARD	- For use with the HRG Board and RGB Colour Monitor.	79.00
RGB COLOUR BOARD CABLE SET	- 4 x 3 metre lengths of cable with BNC bayonet connectors at each end.	35.00
TERMINATOR BOARD	- (Only required for existing cassette Systems)	17.82

NB: <u>PLEASE SEE THE HRG DATASHEET BEFORE ORDERING ANY OF THE ABOVE ITEMS SINCE YOU MAY NEED FURTHER ITEMS AND MORE INFORMATION.</u>

PIO/RTC INTERFACE DEVELOPMENT BOARD (Please note, both these manuals are extra)	95.00
PIO MANUAL	3.30
CTC MANUAL	3.30
IEEE-488 PIO BOARD	350.00
ANALOGUE BOARD, 16 Channel, 10 bits resolution.	298.75
40/80 CHARACTER VDU BOARD UPGRADE	299.00

ACCESSORIES AND MONITORS

380Z Cassette Recorder and Cable	55.00
Dual Cassette Controller	39.00
9" MONOCHROME VIDEO MONITOR AND CONNECTING CABLE	110.00
12" MONOCHROME VIDEO MONITOR AND CONNECTING CABLE	153.00
17" MONOCHROME VIDEO MONITOR AND CONNECTING CABLE	231.00
Monitor Connecting Cable	5.00
Parallel User I/O Port Cable	7.80

PRINTERS   £

MICROLINE 80 Printer with Serial Interface and Connecting Cable   390.00
(Capable of LOW RESOLUTION GRAPHICS)
MICROLINE 80 Printer with Parallel Interface and Connecting Cable   355.00
(Text only)
MICROLINE 80 Serial Connecting Cable   42.50
MICROLINE 80 Parallel Connecting Cable   42.50
MICROLINE 80 Tractor Feed Mechanism   45.00
MICROLINE Parallel to Serial Converter   90.00
ANADEX DP9501 Printer, 132 column, dot matrix, complete with connecting cable,
(requires User I/O Port Cable if not already fitted in the system). Capable
of HIGH RESOLUTION GRAPHICS, CONTACT SALES OFFICE.   1011.50
ANADEX DP9501 Connecting Cable   42.50
QUME MICROSPRINT 5 RO Daisy Wheel Printer with Tractor Feed   1995.00

SOFTWARE

CASSETTE SOFTWARE UPGRADES   (Prices include cost of manual. For customers
with exisiting cassette systems)
UPGRADE to TEXT EDITOR VERSION 4 without FORMATTER   7.00
UPGRADE to TEXT EDITOR VERSION 4 with FORMATTER   42.00
UPGRADE to EXTENDED BASIC VERSION 5 including HRG support   12.00

BULK SOFTWARE LICENCE

FOR LOCAL AUTHORITIES WHO ALREADY HAVE A HARDWARE QUANTITY CONTRACT WITH RML, A
BULK SOFTWARE LICENCE IS ALSO AVAILABLE. PLEASE CONTACT YOUR LOCAL AUTHORITY
FOR DETAILS.

DISK SOFTWARE (Please specify MINI or STANDARD DISK)
PLEASE NOTE: A TEXT EDITOR WILL BE REQUIRED WITH THE FOLLOWING LANGUAGES;
ALGOL, FORTRAN, COBOL, ASSEMBLER.

Disk PIO/RTC Software Package (examples of software for use with PIO Board) 18.00
Disk Terminal Mode Software (allows 380Z to be used as dumb terminal to mainframe) 13.00
Disk RML Extended BASIC Interpreter including HRG support (supplied as standard
with ALL NEW systems)   24.50
Disk RML Z80 ASSEMBLER   39.50
Disk RML Interactive TEXT EDITOR without FORMATTER   39.50
Disk RML Interactive TEXT EDITOR with FORMATTER   75.00
WORDSTAR Word Processing Package (runs ONLY with 80 CHARACTER VDU)   145.00
Microsoft FORTRAN IV(HRG support can be ordered separately)   199.50
HRG VERSION 1 Support for FORTRAN for MDS or FDS   25.00
RML CP/M Z80 ALGOL   99.00
HRG VERSION 1 Support for ALGOL for MDS or FDS   25.00
RML PDP11 ALGOL   250.00
CBASIC BASIC COMPILER   70.00
QSORT Sort/Merge Package for CBASIC   66.00
CIS-COBOL (Standard) ANSI with extensions   425.00
CIS-COBOL (Compact)   325.00
FORMS 2 Forms and indexed files (Compact or Standard)   100.00
UCSD PASCAL (Available on 8" disk ONLY,requires 80char.VDU or external terminal) 180.00
CESIL Interpreter   14.00
32 Volumes of CP/M User's·Club Library Software (on 8" disk only) per disk 7.50
SEND/RECEIVE Disks   15.00
ED and ASM ASSEMBLER   7.50
Head Cleaning Disk   10.00

ALL DISK SOFTWARE PRICES INCLUDE COST OF MANUAL WHERE APPLICABLE

IF YOU DO NOT KNOW THE Z80 ASSEMBLY LANGUAGE, YOU WILL NEED THE MOSTEK Z80 ASSEMBLY
LANGUAGE PROGRAMMING MANUAL @ £7.50 OR THE RML MACHINE LANGUAGE PROGRAMMING GUIDE @ £7.50.

DISK SOFTWARE UPGRADES   (Prices include cost of manual)   £

Upgrade to TEXT EDITOR VERSION 4 without FORMATTER	10.00
Upgrade to TEXT EDITOR VERSION 4 with FORMATTER	45.50
Upgrade to Extended BASIC VERSION 5 (including HRG Support for MDS)	15.00
Upgrade to Extended BASIC VERSION 5 (including HRG Support for FDS)	16.50

EXTRA MANUALS

Text Editor including FORMATTER manual (Disk or Cassette)	6.00
Extended BASIC VERSION 5 Manual including HRG Support (Disk or Cassette)	5.00

(A separate price list is available from the SALES OFFICE for further manuals).

MEDIA

TDK DC45 Cassette	0.67
Mini Floppy Disks - 40 Track - Box of 10	29.00
Single Sided, Standard (8") Disks - Box of 10	39.00
Double Sided, Standard (8") Disks - Box of 10	49.00

ORIGINAL EQUIPMENT MANUFACTURERS

The 380Z family of boards is available to OEM customers. Please contact the SALES OFFICE for OEM information.

ALL PRICES HERE ARE EXCLUSIVE OF VAT @ 15% AND CARRIAGE. PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

TERMS:

Nett monthly for EDUCATION AUTHORITIES,GOVERNMENT DEPARTMENTS etc; otherwise CASH WITH ORDER, OR 10% deposit with order and balance payable prior to delivery.

DISCOUNT

Quantity, School and College, and Software Bulk Purchasing discounts are available under certain conditions. Full details from the SALES OFFICE. No discount on monitors, printers, media and cables.

SOFTWARE WARNING

All software sold by RESEARCH MACHINES LTD., unless otherwise expressly stated in writing by us is licenced for use on one system only. Failure to comply with this may result in the withdrawal of all support of the customer by RML and/or the termination of discount arrangements.

WARRANTIES

380Z Computers, Boards, Keyboard, Disk Drives, Cassette Recorders and Monitors, unless purchased without Warranty are under Warranty for 12 months, parts and labour on a return to factory basis only. The Warranty covers defects arising during manufacture. RML makes no warranties either express or implied with respect to any manuals or software. In no event will RML be liable for direct or indirect incidental or consequential damage arising from any defect in manuals or software. Printers, unless purchased without Warranty are under Warranty for 90 days, parts only, on a return to factory basis only. The Warranty covers defects arising during manufacture.

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