

Order all Math Coprocessors through Tandy Third Party Products.

CPU	Chip Type	Speed	Location	Catalog #
1000				N/A
1000A	Intel 8087-5	5 Mhz	U29	900-2120
1000EX				N/A
1000HD	Intel 8087-5	5 Mhz	U29	900-2120
1000HX				N/A
1000RL/RLHD				N/A
1000RLX				N/A
1000RSX	Intel 80387SX	25 Mhz	U10	Intel
1000SL	Intel 8087-2	8 Mhz	U21	900-2121
1000SL2	Intel 8087-2	8 Mhz	U21	900-2121
1000SX	Intel 8087-2	8 Mhz	U33	900-2121
1000TL	Intel 80287	Var Mhz	U60	900-2585
1000TL2	Intel 80287	Var Mhz	U43	900-2585
1000TL3	Intel 80287	Var Mhz	U9	900-2585
1000TX	Intel 80287	Var Mhz	U15	900-2585
1100FD				N/A
1110HD				N/A
1200A	Intel 8087-5	5 Mhz	U3	900-2120
1200HD	Intel 8087-5	5 Mhz	U3	900-2120
1400FD	Intel 8087-2	8 Mhz	Service	900-2121
1400HD	Intel 8087-2	8 Mhz	Service	900-2121
1400LT	Intel 8087-2	8 Mhz	Service	900-2121
1500HD				N/A
1800HD	Intel 80287XLT	Var Mhz	U29	Intel
2000	Upgrade Kit		Service	260-5143
2000HD	Upgrade Kit		Service	260-5143
2100				N/A
2500RSX	Intel 80387SX	25 Mhz	U10	Intel
2500SX	Intel 80387SX	16 Mhz	U42	900-2321
2500SX20	Intel 80387SX	20 Mhz	U42	900-2586
2500SX25	Intel 80387SX	25 Mhz	U42	Intel
2500SX33	Intel 80387SX	33 Mhz	U10	Intel
2500XL	Intel 80287	Var Mhz	U26	900-2585
2500XL2	Intel 80287	Var Mhz	U35	900-2585
2800HD	N80C287XLT	12 Mhz	U11	Intel
2810HD20	Intel 80287XLT	Var Mhz	IC2 (A)	Intel
2810HD60	Intel 80287XLT	Var Mhz	IC2 (A)	Intel
2820HD	Intel 80287XLT	Var Mhz	IC1 (A)	Intel
3000/Gate	Intel 80287	Var Mhz	U32	900-2585
3000/Non-Gate	Intel 80287	Var Mhz	U78	900-2585
3000E	Intel 80287	Var Mhz	U46	900-2585
3000HL	Intel 80287	Var Mhz	U39	900-2585
3000NL	Intel 80287	Var Mhz	U15	900-2585
2100				N/A
3800HD	Intel 80387SX	20 Mhz	IC3 (A)	900-2586
3810HD	Intel 80387SX	20 Mhz	IC3 (A)	900-2586
3820HD	Intel 80387SX	20 Mhz	IC3 (A)	900-2586
3830SL	Intel 80387SX	20 Mhz	IC1 (A)	900-2586
3830SLC	Intel 80387SX	20 Mhz	IC1 (A)	900-2586
3100 *		25/33 Mhz		Intel
3200 *		25/33 Mhz		Intel

4000.....	Intel	80287.....	Var Mhz.....	U25.....	900-2585
4000A.....	Intel	80387.....	Var Mhz.....	U15.....	900-2359
4000LX.....	Intel	80387.....	Var Mhz.....	U15.....	900-2359
4000SX.....	Intel	80387SX.....	16 Mhz.....	U46.....	900-2321
4016DX.....	Intel	80387.....	Var Mhz.....	U17.....	900-2359
4016SX.....	Intel	80387SX.....	16 Mhz.....	U37.....	900-2321
4020LX.....	Intel	80387.....	Var Mhz.....	U17.....	900-2359
4020SX.....	Intel	80387SX.....	20 Mhz.....	U60.....	900-2586
4025LX.....	Intel	80387.....	Var Mhz.....	U17.....	900-2359
4033LX.....	Intel	80387.....	Var Mhz.....	U17.....	900-2359
4100.....			66 Mhz.....		A/I
4800HD.....					N/A
4820SX/T *			20 Mhz.....	U55.....	Intel
4825SX *			25 Mhz.....	U46.....	Intel
4833LX/T.....					A/I
4850EP.....					A/I
4860HD.....					A/I
4866LX/T.....					A/I
5000MC.....	Intel	80387.....	Var Mhz.....	U2.....	900-2359
Sensation *			25 Mhz.....		Intel
Sensation II *			33 Mhz.....		Intel

Tandy Factory Direct Machines

OMNI PROFILE

425 SX *			25 Mhz.....	U62.....	Intel
433 SX *			33 Mhz.....	U62.....	Intel
433 DX.....					A/I
450 DX2.....					A/I
466 DX2.....					A/I
425 SX/T *			25 Mhz.....	U62.....	Intel
433 SX/T *			33 Mhz.....	U62.....	Intel
433 DX/T.....					A/I
450 DX2/T.....					A/I
466 DX2/T.....					A/I

OMNI PROFILE II

425 SX *			25 Mhz.....	U62.....	Intel
433 SX *			33 Mhz.....	U62.....	Intel
433 DX.....					A/I
450 DX2.....					A/I
466 DX2.....					A/I
425 SX/T *			25 Mhz.....	U62.....	Intel
433 SX/T *			33 Mhz.....	U62.....	Intel
433 DX/T.....					A/I
450 DX2/T.....					A/I
466 DX2/T.....					A/I

Unless a variable speed Mathcoprocessor is specified above, use a fixed speed Coprocessor.

NOTES: * = Upgrade to a 487SX, DX, DX2 or Overdrive Processor
Part #900-2585 & #900-2359 are Variable Speed Math Coprocessors.

N/A = Not Available

A/I = Already Installed - DX style processors already have FPU

Intel = Available from Intel (through Third Party Products)

(A) = Access Panel on Laptop - Instructions in Owner's Manual

Service = Service Center Installation only

A NOTE about Intel Processors

Intel 486 Processor Chart

Intel Processor	Features	Pinouts	Computers *
Intel 486 SX 25 or 33 MHZ	Internal 8K Cache	Surface mounted chips or Socket installation (DX style pinouts)	Most of our computers have surface mounted CPU's. MMPC 20, 4825SX & 433SX/SXT Omni I and II have socketed CPU's. These computers have only one CPU socket, so the existing cpu must be removed to replace it.
Intel 486 SX2 ODP-50 25 Mhz / 50 Mhz (NEW)	Internal 8K Cache Performance Speed Overdrive	Socket installation (Math-co pinouts)	3100 (250-1632), 3200 (250-1633), 4820 SXT (250-5140). 4825 SX (250-5141), MMPC 10 (250-1640), MMPC 20 (250-1641), Sensation I (250-1650), Sensation II (250- 1651) Omni I profile (425/433/ SX/SXT/DX/DXT), Omni II profile (425/433/SX/SXT/DX/DXT)
Intel 486 DX 33 Mhz	Internal 8K Cache Math- coprocessor	Socket installation (DX style pinouts)	4833 LXT & the 433 DX / 433 DXT Omni I and Omni II have socketed CPU's. These computers have only one CPU socket, so the existing CPU must be removed.
Intel 486 DX2 ODP-50 25 Mhz / 50 Mhz (System)	Internal 8K Cache Performance Speed Overdrive Math- coprocessor	Socket installation (Math-co pinouts)	3100 (250-1632), 3200 (250-1633), 4820SXT (250-5140). 4825SX (250- 5141) MMPC 10 (250-1640), MMPC 20 (250-1641) Sensation I (250-1650) Sensation II (250-1651), Omni I profile (425/433/SX/SXT/DX/DXT), Omni II profile (425/433/SX/SXT/ DX/DXT)
Intel 486 DX2 ODP-66 33 Mhz / 66 Mhz (System)	Internal 8K Cache Performance Speed Overdrive Math- coprocessor	Socket installation (Math-co pinouts)	3100 (250-1632) 3200 (250-1633), 4833 LXT (250-5145), MMPC10 (250- 1640), MMPC 20 (250-1641), Sensa- tion II (250-1651) Omni I profile (425/433/SX/SXT/DX/DXT), Omni II profile (425/433/SX/SXT/DX/DXT)
Intel 486 DX2	Internal	Socket	3100 (250-1632), 3200 (250-1633),

ODPR-50 25 Mhz / 50 Mhz (Retrofit Version)	8K Cache Performance Speed Overdrive Math- coprocessor	installation (DX style pinouts)	MMPC 10 (250-1640), MMPC 20 (250-1641), Sensation II (250-1651) Omni I (425/433/SX/SXT/DX/DXT), Omni II (425/433/SX/SXT/DX/DXT)
Intel 486 DX2 ODPR-66 33 Mhz / 66 Mhz (Retrofit Version)	Internal 8K Cache Performance Speed Overdrive Math- coprocessor	Socket installation (DX style pinouts)	3100 (250-1632), 3200 (250-1633), MMPC10 (250-1640), MMPC 20 (250-1641), Sensation II (250-1651) Omni I (425/433/SX/SXT/DX/DXT), Omni II (425/433/SX/SXT/DX/DXT)

* Some of the computers listed may need jumper changes for the chip to work.

In the NEW Express Order catalog (May) on page 16 under Intel Corporation, there are two types of overdrives listed: a System and a Retrofit Version. The system is pinned out like a math-coprocessor; and the Retrofit is pinned out like a DX style chip. Either of these overdrives could be used in some of our 486 systems with the proper jumper settings. Both the ODP & ODPR are the same size; the only difference is the wiring of the electronic signals.

The ODPR (Retrofit) could be used in a computer that was designed for a DX and did not have an option for a Overdrive processor. An ODPR has been called a DX/2 doubler before; this is one in the same chip.

The ODP (System) could be used in a computer with a math coprocessor socket. The ODP is what most people call an Overdrive processor.

(tlc-6/1/94)