

Name	Regs	Description
ADC	Reg, Reg Mem, Reg Reg, Mem Acc, Imm Reg, Imm8 Mem, Imm8 Reg, Imm Mem, Imm	Add Integers with Carry
ADD	Reg, Reg Mem, Reg Reg, Mem Acc, Imm Reg, Imm8 Mem, Imm8 Reg, Imm Mem, Imm	Add Integers
AND OR XOR	Reg, Reg Mem, Reg Reg, Mem Acc, Imm Reg, Imm8 Mem, Imm8 Reg, Imm Mem, Imm	Logical AND, Logical OR, Logical XOR
BSWAP	RegWord	Byte swap
CMOVcc	Reg, Reg Reg, Mem	Conditional Move
CMP	Reg, Reg Mem, Reg Reg, Mem Acc, Imm Reg, Imm8 Mem, Imm8 Reg, Imm	Compare

	Mem, Imm	
DEC	RegWord Reg Mem	Decrement by One
DIV	Reg Mem	Unsigned Integer Divide
IDIV	Reg Mem	Signed Divide
IMUL	RegWord, RegWord, Imm8 RegWord, MemWord, Imm8 RegWord, RegWord, Imm RegWord, MemWord, Imm RegWord, Imm8 RegWord, Imm RegWord, RegWord RegWord, MemWord Reg Mem	Signed Integer Multiply
INC	RegWord Reg Mem	Increment by 1
LEA	RegWord, Mem	Load Effective Address
MOV	MemOfs, Acc	Move Data,
MOVSB	Acc, MemOfs	Move Byte,
MOVSW	Reg, Imm Mem, Imm Reg, Reg Reg, Mem Mem, Reg Reg16, Seg Seg, Reg16 Mem16, Seg Seg, Mem16	Move word

	Reg32, CRn CRn, Reg32 Reg32, DRn DRn, Reg32 Reg32, TRn TRn, Reg32	
MUL	Reg Mem	Unsigned Integer Multiply of AL, AX or EAX Unsigned Integer Multiply of AL, AX or EAX
NEG	Reg Mem	Negate(Two's Complement)
NOP		No Operation
NOT	Reg Mem	Negate(One's Complement)
POP PUSH	RegWord MemWord SegOld Seg	Pop a word from the Stack Push a word onto the Stack
RET	NEAR imm NEAR FAR imm FAR	Return from subprocedure
SAL SAR SHL SHR	Reg, 1 Mem, 1 Reg, CL Mem, CL Reg, Imm8 Mem, Imm8	Shift Arithmetic Left, Shift Arithmetic Right, Shift Logical Left, Shift Logical Right
SUB	Reg, Reg Mem, Reg Reg, Mem ACC, Imm Reg, Imm8 Mem, Imm8 Reg, Imm	Subtract

	Mem, Imm	
TEST	Reg, Reg Mem, Reg Reg, Mem Acc, Imm Reg, Imm Mem, Imm	Test Operands
CALL	MemFar	Call a Procedure
Jcc	Short	Jump on Some Condition Code
JMP	MemFar	Jump to Address
LOOP	Short	Loop Control while ECX Counter Not Zero
LOOPZ	Short	Loop while Zero
LOOPE	Short	Loop while Equal
LOOPNZ	Short	Loop while Not Zero
LOOPNE	Short	Loop while Not Equal

Condition codes.

CCCC	Name	Means	In short
0000	O	overflow	o=1
0001	NO	Not overflow	o=0
0010	C/B/NAE	Carry, below, not above nor equal	c=1
0011	NC/AE/NB	Not carry, above or equal, not below	c=0
0100	E/Z	Equal, zero	z=1
0101	NE/NZ	Not equal, not zero	z=0
0110	BE/NA	Below or equal, not above	c=1 or z=1
0111	A/NBE	Above, not below nor equal	c=0 and z=0
1000	S	Sign (negative)	s=1
1001	NS	Not sign	s=0
1010	P/PE	Parity, parity even	p=1
1011	NP/PO	Not parity, parity odd	p=0
1100	L/NGE	Less, not greater nor equal	s<>0
1101	GE/NL	Greater or equal, not less	s=0
1110	LE/NG	Less or equal, not greater	z=1 or s<>0

1111 G/NLE

Greater, not less nor equal

$z=0$ and $s=0$