Table 5-1. Protected-Mode Exceptions and Interrupts Vector Mne-Description Type Error Source No. Code monic 0 Divide Frror Fault No DIV and IDIV instructions. #DF #DB RESERVED No 1 Fault/ For Intel use only. Тгар 2 NMI Interrupt Interrupt Nο Nonmaskable external interrupt. 3 #BP **Breakpoint** INT 3 instruction. Тгар No Overflow 4 #0F Тгар Nο INTO instruction. 5 #BR **BOUND Range Exceeded** Fault Nο BOUND instruction. 6 #UD Invalid Opcode (Undefined Fault Nο UD2 instruction or reserved opcode.1 Opcode) 7 #NM Device Not Available (No No Floating-point or WAIT/FWAIT Fault Math Coprocessor) instruction. Yes 8 #DF Double Fault Any instruction that can Abort (zero) generate an exception, an NMI, or an INTR. 9 Floating-point instruction.² Coprocessor Segment Fault Nο Overrun (reserved) 10 #TS Invalid TSS Fault Yes Task switch or TSS access. 11 #NP Segment Not Present Fault Yes Loading segment registers or accessing system segments. 12 #55 Stack-Segment Fault Yes Stack operations and SS Fault register loads. #GP 13 General Protection Yes Any memory reference and Fault other protection checks. 14 #PF Page Fault Fault Yes Any memory reference. 15 (Intel reserved. Do not No use.) x87 FPU floating-point or 16 #MF x87 FPU Floating-Point Fault Nο WAIT/FWAIT instruction. Error (Math Fault) 17 #AC Alignment Check Any data reference in Fault Yes (Zero) memorv.3