

Maintenance Panel Error Code Summary for Xerox 1108 Interlisp-D

There are two types of maintenance panel codes: progress codes and error codes. Progress codes are placed in the Maintenance Panel at various stages of initialization. Error codes are traps which freeze or blink the error number in the maintenance panel. They are all fatal errors.

0000-0499 boot-time diagnostics
0500-0699 IOP code
0700-0899 Pilot microcode
0900-0999 Pilot
1000-6999 tech-rep diagnostics
7000-8887 Star
8888-8888 MP lamp test
9000-9999 Lisp

0096 Insufficient real memory (<1MByte) for lisp

0200-0299 Booting phase 2 (Initial microcode)

0200 normal booting phase 2
0201 CP error in reading from boot device
0202 null Mesa germ installed in physical volume
0203 broken rigid disk boot chain (possibly intermitant)
0204 Illegal IOP port command
0205 CP Trap (CS parity or double-bit memory error)
0206 null diagnostic microcode in physical volume
0207 null Pilot/Mesa emulator microcode in physical volume
0208 null Mesa germ installed in physical volume

0500-0502 Domino progress codes

0500 StartDomino Domino has started
0501 InitReadTOD Domino starting to read the TOD clock
0502 InitReadTODdone Reading of TOD clock completed
(next MP number from Lisp)

0505-0599 Domino error codes

0505 CSParity CS parity error detected
0506 BurdockCPDisabled Burdock attempted to use EtherKludge
0507 CPBurdockDisabled CP attempted to use EtherKludge
0508 IOPBreak An IOP break with no IOP kernel
0509 IllegalIOPIntr Illegal IOP interrupt
0510 BadMapEntry Incorrect vm Map entry in IOP access.
0511 NoCPDmaComplete CP Dma operation failed to complete
0512 NoCPDmaChannel CP Dma channel not specified
0513 ReadCPPortDead CP not responding to Read CPPort
0514 WriteCPPortDead CP not responding to Write CPPort
0520 StackOverflow A task's stack has overflowed
0565 InvToneCmd Invalid keyboard tone generator comnd
0570 InvProcCmd Invalid cmd value in Processor CSB
0571 UnImplCmd Unimplemented cmd in Processor CSB
0572 SetTODError The Time-Of-Day could not be set
0576 LSEPctlOVR LSEP Control CSB overrun
0580 NoValidCommand Invalid floppy IOCB command
0581 UnImplFloppyCmd Unimplemented floppy IOCB cmd
0582 InvalidEscapeCmd Invalid Escape floppy cmd
0583 CommandTrack Floppy track register is not correct
0584 TrackToBig Floppy track number is too large
0585 BadDmaChannel Couldn't program Floppy Dma
0586 NoDmaEndCount1 External Dma End Count not set
0587 NoDmaEndCount2 Internal Dma End Count not
set e8(0,4704)(1,9760)

9000-9299 DLion lisp microcode error detected

9001 Control store parity error
9004 Attempt to reference virtual address >22 bits

9005 double bit memory error or non-existent memory reference

9001 CSpErr Control store parity error
9002 StackErr hardware stack overflow
9003 IBEEmptyErr instruction fetch unit empty error
9004 VirtAddrErr Attempt to reference virtual address >22 bits
9005 EmuMemErr double bit memory error or non-existent memory
9013 NegPcError inconsistent PC at FnCall
9014 applyUfn arg to apply not integer
9016 notFreeTrap stack allocation error
9051 BadUfnTable
9120 MiscErr opcode no such register
9121 MiscErr opcode bad 2nd byte
9136 CycleMask bad caller
9129 M1Loc microcode error
9130 M2Loc microcode error
9131 M3Loc microcode error
9048 ReFOvr page fault under page fault
9049 Ghost context switch
9127 PcNegError inconsistent PC at Punt

9300-9399 Lisp error calling \MP.ERROR

9301 \MP.NORPT "No space for Real Page Table"
9302 \MP.INVALIDVMEM
9303 \MP.IOCBPAGE "No place for IOCB page at startup"
9304 \MP.MOB "Map out of bounds"
9305 \MP.INVALIDADDR
9306 \MP.INVALIDVP
9307 \MP.CHAIN.UNAVAIL "Unavailable page on real page chain"
9308 \MP.SELECTLOOP "Loop in \SELECTREALPAGE"
9309 \MP.NEWPAGE "Attempt to allocate already existing page"
9310 \MP.NEWMAPPAGE "\DNEWPAGE failed to allocate new map page"
9311 \MP.BADLOCKED "Locked page occupies a file page needed to lock
another"
9312 \MP.CLOCK0 "Arg to CLOCK0 not an integer box"
9313 \MP.RESIDENT "Fault on resident page"
9314 \MP.STACKFAULT "Fault on stack"
9315 \MP.INVALIDVMEM "Vmem inconsistent at startup"

9400-9899 unassigned

9900-9999 Attempt to call Raid or Alto O.S. (BCPL Subr)

9900 \uCodeCheck
9901 was\StackOverflow
9902 \NWWInterrupt
9903 was\PageFault NIL
9904 \StatsOverflow
9905 NOOPSUBR
9906 \BACKGROUNDSSUBR
9907 \CHECKBCPLPASSWORD
9908 DISKPARTITION NIL
9909 DSPBOUT (CHARCODE)
9910 \DSPRATE (PARM)
9911 \GATHERSTATS (FID)
9912 \GETPACKETBUFFER NIL
9913 \LISPFINISH
9914 \MOREVMEMFILE (FILEPAGE)
9915 RAID (MESS1 MESS2 FLG)
9916 \READRAWPBI NIL
9917 \WRITERAWPBI (PBI)
9918 SETSCREENCOLOR (FLG)
9919 SHOWDISPLAY (BASE RASTERWIDTH)
9920 \PUPLEVEL1STATE (FLG)
9921 \WRITESTATS (TYPE X1 X2 X3 X4 X5 X6 X7 X8 X9 X10)
9922 \CONTEXTSWITCH
9923 \COPYSYS0SUBR (FID)

9924 \WRITEMAP (VP RP FLAGS)
(635)