Superboard II Quick Reference
For the Briel Computers Superboard ///

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General Specifications	
CPU	65C02
Clock Speed	1 MHz
RAM	32KB
ROM	10KB
Keyboard	Integral 53-key
Video	Composite
Power Input	USB 5V host or power supply 1000mA or more
Serial Port Settings	9600 bps 8N1, no handshaking, no flow control

Memory Map

Address Range	Comments
$0000 - $00FF	Zero page RAM
$0100 - $01FF	Stack RAM
$0000 - $7FFF	RAM (32K Superboard ///)
$A000 - $BFFF	ROM (BASIC)
$D085 - $D39D	Video memory (25x25 mode)
$D080 - $D3FF	Video memory (32x28 mode)
$DF00	Keyboard
$FF00-$F001	6850 ACIA
$F800-$FFFF	ROM (OSI routines and monitor)

Useful Addresses

Description	Hex	Decimal
NMI address	$0100	256
IRQ address	$01C0	448
Keyboard (write row, read column)	$DF00	57088
6850 ACIA status/control register	$F000	61440
6850 ACIA data register	$F001	61441
Reset address	$FF00	65280
NMI vector	$FFFA,$FFFC	65530,65531
Reset vector	$FFFC,$FFFD	65532,65533
IRQ vector	$FFFE,$FFFF	65534,65535

ROM Monitor Commands

Display: *AAAA DD*

In address mode, enter 4 character hex address. In data mode, enter 2 character hex data.

"/" enters data mode.
"." enters address mode.
<Return> (in data mode) advances to next address.
"L" (in address mode) loads from cassette tape/serial port.
"G" (in address mode) starts execution from current address mode.

Microsoft BASIC

Keywords:

ABS() AND ASC() ATN() CHR$() CLEAR CONT COS() DATA DEF DIM END EXP() FN FOR FRE() GOSUB GOTO IF INPUT INT() LEFT$() LEN() LET LIST LOAD LOG() MID$() NEW NEXT NOT NULL ON OR PEEK() POKE POS() PRINT READ REM RESTORE RETURN RIGHT$() RND() RUN SAVE SGN() SIN() SPC() SQR() STEP STOP STR$() TAB() TAN() THEN TO USR() VAL() WAIT

Editing:

<Shift>+O	Erase last character
<Shift>+P	Erase current line
<Control>+C	Interrupt running program or LIST command.
<Control>+O	Suspend output until ano

Krusader Assembler

Boot prompt:

```
D/C/W/M ?_
|  |  |   +--> ROM Monitor
|  |  +-----> Warm start (does not clear any BASIC program)
|  +---------> Cold start (clears any BASIC program)
+-----------> Disk boot (requires disk controller)
```

Default video is 25 chars x 25 lines. Power on with BREAK key down to get 32 chars x 28 lines.

Serial Port protocol: 9600 bps, 8N1, no flow control or hardware handshaking. For BASIC, use 50ms char delay, 200ms line delay.