AIDA64 LCD Guide

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Frequently Asked Questions (FAQ)

Q: Are LPT port connected (parallel) LCDs supported by AIDA64?
A: Currently HD44780, KS0108, SED1520, and T6963C devices are supported with a parallel port connection. HD44780 devices can be used with the classic 8-bit Winamp wiring. These days it's more and more hard to find a parallel port on a PC, so we are currently focusing on adding support for USB connected LCDs. After working on USB displays we may implement support for more parallel LCDs.

Q: Are COM port connected (RS232 serial) LCDs supported by AIDA64?
A: Currently only Matrix Orbital LK/MX/PK/VK, Matrix Orbital GLC/GLK/GLT, and POS VFD devices are supported with a serial port connection. These days it's more and more hard to find a serial port on a PC, so we are currently focusing on adding support for USB connected LCDs. After working on USB displays we may implement support for a few popular RS232 LCDs, like Crystalfontz, Cwlinux, Futaba VFD, and Seetron.

Q: Are I2C, TWI, SPI, or RS422 connected LCDs supported by AIDA64?
A: Not yet. Not many PC configurations feature such connection methods, but in case you've got a specific application where you would like such an LCD device supported, please let us know about the details at http://forums.aida64.com

Q: Are SMBus or Ethernet connected LCDs supported by AIDA64?
A: Not yet. Not many LCDs feature such connection methods, but in case you've got a specific application (e.g. ethlcd or IRTrans) where you would like such an LCD device supported, please let us know about the details at http://forums.aida64.com

Q: My computer doesn't have a LPT port, but I've got a parallel LCD. Can I use a USB to Parallel Printer cable to connect the LCD to my computer?
A: Most such cables can only be used to connect LPT port printers to a USB port. Those cables do not emulate all features of the LPT port properly, so they cannot be used to drive parallel LCDs.

>>> Haven't found an answer in this document? Contact us at http://forums.aida64.com

4D Systems

Unsupported Models: IoD-24T, IoD-28T, IoD-32T

- Display Properties: 240x320 16-bit color LCD
- Interface: USB/WiFi
- Chipset: 4D Labs Espressif ESP8266
- Display Controller: ?
- USB Device ID: 10C4-EA60
- Windows Driver: silabser.sys
- API: VCP (Virtual COM Port)
- Support Status: Not supported
- Website: http://www.4dsystems.com.au/products
- Documentation: http://www.4dsystems.com.au/appnotes
- Windows Driver Download: http://www.4dsystems.com.au/downloads/micro-USB/Drivers/CP210x_VCP_Windows.zip

Unsupported Models: uLCD-220RD, uLCD-35DT, uLCD-70DT

- Display Properties: 220x220 / 480x320 / 800x480 16-bit color LCD
- Interface: USB
- Chipset: 4D Labs Diablo16
- Display Controller: ?
- USB Device ID: ?
- Windows Driver: ftdibus.sys / silabser.sys
- API: ftd2xx.dll / VCP (Virtual COM Port)
- Support Status: Not supported
- Website: http://www.4dsystems.com.au/products
- Documentation: http://www.4dsystems.com.au/appnotes
- Windows Driver Download (FTDI): http://www.ftdichip.com/FTDrivers.htm
- Windows Driver Download (SiLab): http://www.4dsystems.com.au/downloads/micro-USB/Drivers/CP210x_VCP_Windows.zip

Unsupported Models: uLCD-144-G2, uOLED-96-G2, uOLED-128-G2, uOLED-128-GMD1, uOLED-160-G2, uOLED-160-GMD1

- Display Properties: 96x64 / 128x128 / 160x128 16-bit color LCD/OLED
- Interface: USB
- Chipset: 4D Labs Goldelox
- Display Controller: ?
- USB Device ID: ?
- Windows Driver: ftdibus.sys / silabser.sys
- API: ftd2xx.dll / VCP (Virtual COM Port)
- Support Status: Not supported
- Website: http://www.4dsystems.com.au/products
- Documentation: http://www.4dsystems.com.au/appnotes

- Windows Driver Download (FTDI): http://www.ftdichip.com/FTDrivers.htm
- Windows Driver Download (SiLab): http://www.4dsystems.com.au/downloads/micro-USB/Drivers/CP210x_VCP_Windows.zip

Unsupported Models: uLCD-24PTU, uLCD-28PTU, uLCD-32PTU uLCD-43P/PT/PCT, uOLED-32028-P1/P1T

- Display Properties: 240x320 / 480x272 16-bit color LCD/OLED
- Interface: USB
- Chipset: 4D Labs Picaso
- Display Controller: ?
- USB Device ID: ?
- Windows Driver: ftdibus.sys / silabser.sys
- API: ftd2xx.dll / VCP (Virtual COM Port)
- Support Status: Not supported
- Website: http://www.4dsystems.com.au/products
- Documentation: http://www.4dsystems.com.au/appnotes
- Windows Driver Download (FTDI): http://www.ftdichip.com/FTDrivers.htm
- Windows Driver Download (SiLab): http://www.4dsystems.com.au/downloads/micro-USB/Drivers/CP210x_VCP_Windows.zip

Note: 4D Systems displays implement a very slow serial connection which is unsuitable to transfer raw bitmap frames. Hence 4D Systems displays cannot be supported by the AIDA64 LCD module.

Abacom (ExpertProfi)

Supported Models: Abacom USB LCD

- Display Properties: 20x4 character monochrome LCD
- Interface: USB
- Chipset: WinChipHead CH341A
- Display Controller: TopWay LMB204CBY (HD44780 compatible)
- USB Device ID: 1A86-5512
- Windows Driver: ch341wdm.sys
- API: ch341dll.dll
- Support Status: Supported since AIDA64 v4.50.3033
- Website: http://www.expertprofi.ag.vu/usb-lcd-display.html
- Ordering: http://www.electronic-software-shop.com/lng/en/usb-lcd-4x20-char-blue.html
- Documentation: http://www.abacom-online.de/div/ABACOM_USB_LCD_uk.pdf
- Windows Driver Download: http://www.abacom-online.de/div/setup_usb_lcd.exe

Acer

Supported Models: Idea 500 Series HTPC

- Display Properties: 12x2 character monochrome VFD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 0FB8-0010
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.60.3103

Note: To prevent AIDA64 collide with Acer's own application, terminate the process called **VFDTranscoder.exe** via Windows Task Manager

Adafruit

Supported Models: USB+Serial LCD Backpack

- Display Properties: 16x2 / 20x4 character monochrome LCD
- Interface: USB
- Chipset: Atmel ATmega32
- Display Controller: Hitachi HD44780
- USB Device ID: 239A-0001
- Windows Driver: usbser.sys
- API: VCP (Virtual COM Port)
- Support Status: Supported since AIDA64 v4.60.3135
- Website: http://www.adafruit.com/products/784
- Windows Driver Download: https://learn.adafruit.com/usb-plus-serial-backpack/downloads

AlphaCool

Supported Models: AlphaCool 200x64 USB LCD, AlphaCool 240x128 USB LCD

- Display Properties: 200x64 / 240x128 pixel monochrome LCD
- Interface: USB
- Chipset: Atmel 89C5130A
- Display Controller: Samsung KS0108 (for 200x64) / Toshiba T6963C (for 240x128)
- USB Device ID: 060C-04EB
- Windows Driver: libusb0.sys
- API: libusb0.dll
- Support Status: Supported since AIDA64 v4.60.3138
- Website: http://www.alphacool.com/index.php/cat/c35_Display.html?language=en
- Ordering: http://www.alphacool.com/index.php/cat/c35_Display.html?language=en
- Windows Driver Download: http://download.aida64.com/resources/lcd/alphacool_lcd_driver_2_1.zip

AquaComputer

Supported Models: Aquaero 4, Aquaduct Mark 2, Aquaduct Mark 3

- Display Properties: 20x2 character monochrome LCD/VFD
- Interface: USB
- Chipset: ?
- Display Controller: Crystalfontz CFAH2002A (HD44780 compatible)
- USB Device ID: 0C70-F0B0 / 0C70-F0B8
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.60.3121

Supported Models: Aquaero 5 Pro, Aquaero 5 XT, Aquaero 6 Pro, Aquaero 6 XT, Aquaduct Mark 4, Aquaduct Mark 5

- Display Properties: 256x64 pixel monochrome LCD
- Interface: USB
- Chipset: Freescale ColdFire MCF51JM128
- Display Controller: TopWay LM6800 (KS0108 compatible)
- USB Device ID: 0C70-F001 / 0C70-F002
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.60.3129

Art.Lebedev

Supported Model: Optimus Popularis keyboard

- Display Properties: 1364x102 pixel color LCD
- Interface: Virtual File
- Chipset: ?
- Display Controller: ?
- USB Device ID: 04D9-0022
- Windows Driver: (not needed)
- API: vOptimus
- Support Status: Supported since AIDA64 v6.20.5340

Asus

Supported Models: ROG Ryujin II, ROG Ryujin II EVA

- Display Properties: 320x240 pixel 24-bit color OLED
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 0B05-1988 / 0B05-1A60
- Windows Driver: ?
- API: ROGAIOSDK.dll
- Support Status: Supported since AIDA64 v6.30.5515

Unsupported Model: Direct Messenger Display of Asus G1 and G2 notebooks

- Display Properties: 128x32 pixel monochrome OLED
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 0B05-1726
- Windows Driver: (not needed)
- API: HID
- Support Status: Not supported

Unsupported Model: Direct Messenger Display of Asus G50 and G70 notebooks

- Display Properties: 256x32 pixel monochrome OLED
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 0B05-175B
- Windows Driver: (not needed)
- API: HID
- Support Status: Not supported

Unsupported Model: ScreenPad touchpad display of Asus ZenBook Pro 14 and ZenBook Pro 15 notebooks

- Display Properties: 1920x1080 pixel color SIPS+ LCD
- Interface: ?
- Chipset: ?
- Display Controller: ?
- Device ID: ????-????
- Windows Driver: ?
- API: ?
- Support Status: Not supported

AX206

Supported Models: AX206-based firmware-hacked Digital Photo Frames (e.g. made by Pearl)

- Display Properties: 320x240 pixel 16-bit color LCD
- Interface: USB
- Chipset: AppoTech AX206
- Display Controller: ?
- USB Device ID: 1908-0102
- Windows Driver: libusb0.sys
- API: libusb0.dll
- Support Status: Supported since AIDA64 v4.60.3103
- Windows Driver Download: http://download.aida64.com/resources/lcd/ax206_lcd_driver.zip

Web links:

- http://picframe.spritesserver.nl/wiki/index.php/DPF_with_AppoTech_AX206
- http://bastel.dyndns.info/~dockstar/lcd/
- http://sourceforge.net/projects/dpf-ax/
- http://www.zebradem.com/wiki/index.php?title=Lcd4linux
- http://www.oli82.de/blog/?p=600
- http://openschemes.com/2011/08/23/our-turn-with-the-ax206-digital-photo-frames/

BeadaPanel

Supported Model: BeadaPanel

- Display Properties: 480x320 / 800x480 / 1280x480 pixel 24-bit color LCD
- Interface: USB
- Chipset: NXP i.MX6 ULL
- Display Controller: Innolux AT070TN92
- USB Device ID: 4E58-1001
- Windows Driver: winusb.sys
- API: WinUSB
- Support Status: Supported since AIDA64 v5.99.4964
- Website: https://elinux.org/BeadaPanel

BitFenix

Unsupported Models: Icon Display of BitFenix Aegis case, Icon Display of BitFenix Pandora case

- Display Properties: 240x320 pixel 262k color LCD
- Interface: USB
- Chipset: NXP LPC11Uxx
- Display Controller: Ilitek ILI9341
- USB Device ID: 1FC9-100B
- Windows Driver: (not needed)
- API: HID
- Support Status: Not supported
- Website (Aegis): http://www.bitfenix.com/global/en/products/chassis/aegis
- Website (Pandora): http://www.bitfenix.com/global/en/products/chassis/pandora
- Downloads (Aegis): http://www.bitfenix.com/global/en/products/chassis/aegis#support
- Downloads (Pandora): http://www.bitfenix.com/global/en/products/chassis/pandora#support

Note: Bitfenix Icon doesn't support direct streaming of images to the LCD. Updating the LCD image is done by erasing and writing the SPI flash memory. Flash memories have limited write cycles, and it would ruin the Icon device very quickly if AIDA64 updated the image e.g. once a second, so AIDA64 simply cannot support this device in its LCD module.

BWCT

Supported Model: BWCT USB LCDisplay

- Display Properties: 16x2 / 20x4 / 40x2 character monochrome LCD
- Interface: USB
- Chipset: Atmel ATmega16A
- Display Controller: Hitachi HD44780
- USB Device ID: 03DA-0002
- Windows Driver: libusb0.sys
- API: libusb0.dll
- Support Status: Supported since AIDA64 v4.60.3112
- Website: http://www.bwct.de/lcd.html
- Ordering: http://www.small-control.de/20.html
- Windows Driver Download: http://download.aida64.com/resources/lcd/bwct_lcd_driver.zip

CH424

Supported Model: CH424 USB LCD

- Display Properties: 16x2 / 16x4 / 20x2 / 20x4 character monochrome LCD
- Interface: USB
- Chipset: Microchip PIC18F2550
- Display Controller: Hitachi HD44780
- USB Device ID: 04D8-000A
- Windows Driver: usbser.sys
- API: VCP (Virtual COM Port)
- Support Status: Supported since AIDA64 v4.60.3138
- Website: http://forums.bit-tech.net/showthread.php?t=115461
- Windows Driver Download: http://forums.bit-tech.net/showthread.php?t=115461

Crystalfontz

Supported Models: CFA-533, CFA-631, CFA-632, CFA-633, CFA-634, CFA-635

- Display Properties: 16x2 / 20x2 / 20x4 character monochrome LCD
- Interface: USB
- Chipset: Cypress CY8C27443/534
- Display Controller: Hitachi HD44780 / Samsung KS0073 compatible
- RS232-to-USB Bridge: FTDI 1215/1224
- USB Device ID: 0403-FC0E / 0403-FC0C / 0403-FC08 / 0403-FC0B / 0403-FC09 / 0403-FC0D
- Windows Driver: ftdibus.sys
- API: ftd2xx.dll
- Support Status: Supported since AIDA64 v4.60.3111
- Website: http://www.crystalfontz.com/products/high-level-character-lcd-displays.html
- Ordering: http://www.crystalfontz.com/products/high-level-character-lcd-displays.html
- Documentation: http://www.crystalfontz.com/datasheets/
- Windows Driver Download: http://www.crystalfontz.com/support/
- Note: Current LCD page is indicated with the onboard LEDs on CFA-635

Supported Model: CFA-735

- Display Properties: 20x4 character monochrome LCD
- Interface: USB
- Chipset: STMicro STM32F103
- Display Controller: Sitronix ST7529
- USB Device ID: 223B-0004
- Windows Driver: winusb.sys
- API: VCP (Virtual COM Port)
- Support Status: Supported since AIDA64 v4.60.3111
- Website: http://www.crystalfontz.com/search.php?q=CFA735&submit=Search
- Ordering: http://www.crystalfontz.com/search.php?q=CFA735&submit=Search
- Documentation: http://www.crystalfontz.com/datasheets/
- Windows Driver Download: http://www.crystalfontz.com/support/
- Note: Current LCD page is indicated with the onboard LEDs

Supported Model: CFA-835

- Display Properties: 244x68 pixel 32-shade grayscale LCD
- Interface: USB
- Chipset: STMicro STM32F103
- Display Controller: Sitronix ST7529
- USB Device ID: 223B-0005
- Windows Driver: winusb.sys
- API: VCP (Virtual COM Port)
- Support Status: Supported since AIDA64 v4.60.3116
- Website: http://www.crystalfontz.com/search.php?q=CFA835&submit=Search

- Ordering: http://www.crystalfontz.com/search.php?q=CFA835&submit=Search
- Documentation: http://www.crystalfontz.com/datasheets/
- Windows Driver Download: http://www.crystalfontz.com/support/
- Note: Current LCD page is indicated with the onboard LEDs

ct-Mäusekino

Supported Model: Mäusekino

- Display Properties: 128x64 pixel monochrome LCD
- Interface: USB
- Chipset: IO Warrior 24
- Display Controller: Samsung KS0108
- USB Device ID: 07C0-1501
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.60.3101
- Website: http://rage-electronics.de/pageID_3919177.html
- Ordering: http://www.rebach-online.de/product_info.php?products_id=5015374
- Documentation: http://www.rebach-online.de/download/datasheets/Anschlussinfo_USB_displ_online.pdf

Cwlinux

Supported Model: CW1602

- Display Properties: 16x2 character monochrome LCD
- Interface: USB
- Chipset: Nuvoton W78E054DPG
- Display Controller: ?
- RS232-to-USB Bridge: Prolific PL-2303HX
- USB Device ID: 067B-2303
- Windows Driver: ser2pl.sys
- API: VCP (Virtual COM Port)
- Support Status: Supported since AIDA64 v4.60.3101
- Website: http://cwlinux.com/products/cw1602
- Ordering: http://cwlinux.com/products/cw1602
- Documentation: http://cwlinux.com/sites/downloads/cw1602/cw1602-manual.pdf
- Windows Driver Download: http://cwlinux.com/downloads

Supported Models: CW12232, CW12832

- Display Properties: 122x32 / 128x32 pixel monochrome LCD
- Interface: USB
- Chipset: Nuvoton W78E058DF
- Display Controller: ?
- RS232-to-USB Bridge: Prolific PL-2303HX
- USB Device ID: 067B-2303
- Windows Driver: ser2pl.sys
- API: VCP (Virtual COM Port)
- Support Status: Supported since AIDA64 v4.60.3142
- Website: http://cwlinux.com/products/cw12832
- Ordering: http://cwlinux.com/products/cw12832
- Documentation: http://cwlinux.com/sites/downloads/cw12832/cw12832-manual.pdf
- Windows Driver Download: http://cwlinux.com/downloads

Dangerous Prototypes

Supported Model: USB+Serial LCD Backpack

- Display Properties: 16x2 / 20x4 character monochrome LCD
- Interface: USB
- Chipset: Microchip PIC18F2550
- Display Controller: Hitachi HD44780
- USB Device ID: 04D8-FA97
- Windows Driver: usbser.sys
- API: VCP (Virtual COM Port)
- Support Status: Supported since AIDA64 v4.60.3135
- Website: http://dangerousprototypes.com/docs/USB_%26_serial_LCD_backpack
- Ordering: http://www.seeedstudio.com/depot/USB-and-serial-enabled-LCD-backpack-p-908.html
- Windows Driver Download: http://code.google.com/p/dangerous-prototypes-open-hardware/downloads/detail?name=LCD_Backpack_PIC_HD44780.package.v1a.zip

Digital Devices

Supported Model: USB SideshowTouchDisplay

- Display Properties: 320x240 pixel color LCD
- Interface: USB
- Chipset: Cypress CY8C5589AXi
- Display Controller: ?
- USB Device ID: 23AE-EE23
- Windows Driver: winusb.sys
- API: ActiveX
- Support Status: Supported since AIDA64 v4.50.3038
- Website: http://shop.digital-devices.de/USB-SideshowTouchDisplay-320x240-Entwicklerversion
- Ordering: http://shop.digital-devices.de/USB-SideshowTouchDisplay-320x240-Entwicklerversion
- Documentation: http://shop.digital-devices.de/WebRoot/Store2/Shops/62357162/MediaGallery/Sideshowflyer.pdf
- Windows Driver Download: http://shop.digital-devices.de/Downloads/en/Sideshow-Display-Driver

EastRising

Supported Model: ER-OLEDM032 (SSD1322)

- Display Properties: 256x64 pixel 16-shade grayscale LCD
- Interface: USB
- Chipset: EastRising ER-OLEDM032
- Display Controller: Solomon SSD1322
- SPI-to-USB Bridge: FTDI FT232H
- USB Device ID: 0403-6014
- Windows Driver: ftdibus.sys
- API: ~~libMPSSE.dll (SPI)~~ ftd2xx.dll since AIDA64 v5.98.4810
- Support Status: Supported since AIDA64 v5.80.4076
- Website: https://forums.aida64.com/topic/4479-er-oledm032-ssd1322-32-oled-usb-interface/
- Supported Wiring (ER-OLEDM032 → FT232H / Colors for wires of UM232H-B-WE breakout module):
    - VBAT → 5V (Red)
    - DB0 → D0 (Orange)
    - DB1 → D1 (Yellow)
    - CS → D3 (Brown)
    - Reset → C5 (Purple)
    - DC → C6 (White)
    - DB2 → NC
    - VSS, DB3, DB4, DB5, DB6, DB7, RD, WR → Ground
- ~~Note: AIDA64 uses LibMPSSE-SPI API to communicate with SPI devices. You need to copy the 32-bit **libMPSSE.dll** file from the latest LibMPSSE-SPI ZIP package https://www.ftdichip.com/Support/SoftwareExamples/MPSSE/LibMPSSE-SPI.htm into the AIDA64 installation folder. In the LibMPSSE-SPI ZIP package you can find that file in the **Release/lib/windows/i386** folder~~

Elgato

Supported Models: Stream Deck Mini, Stream Deck Original v1, Stream Deck Original v2, Stream Deck XL

- Display Properties: 72x72 / 80x80 / 96x96 pixel color LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 0FD9-0060 / 0FD9-0063 / 0FD9-006C / 0FD9-006D
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v6.20.5340

ELV

Unsupported Model: ULA200

- Display Properties: up to 40x2 character monochrome LCD
- Interface: USB
- Chipset: ELV04044
- Display Controller: Hitachi HD44780
- USB Device ID: 0403-F06D
- Windows Driver: ftdibus.sys
- API: ftd2xx.dll
- Support Status: Not supported

EVGA

Supported Model: Z10 Gaming Keyboard

- Display Properties: 160x32 pixel monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 3842-2601
- Windows Driver: EVGA Z10 Driver
- API: HID
- Support Status: Supported since AIDA64 v5.97.4657
- Website: https://evga.com
- Windows Driver Download: https://www.evga.com/support/download/

Supported Model: Z10 RGB Gaming Keyboard

- Display Properties: 20x4 character monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 3842-2611
- Windows Driver: EVGA Z10 RGB Driver
- API: HID
- Support Status: Supported since AIDA64 v6.10.5211
- Website: https://evga.com
- Windows Driver Download: https://www.evga.com/support/download/

Note: Currently AIDA64 communicates with the LCD directly, using USB HID interface. It collides with EVGA's own software (EVGA Unleash), so it's recommended to close that software before enabling EVGA Z10 support in AIDA64. EVGA will soon develop a proper SDK/API for their keyboard, much like the LCD API of Logitech gaming keyboards, so that multiple software can put information on the LCD the same time, without collisions.

Futaba

Supported Model: MDM166A, also found in Targa Ultra AN64 PC

- Display Properties: 96x16 pixel monochrome VFD
- Interface: USB
- Chipset: Futaba
- Display Controller: ?
- USB Device ID: 19C2-6A11
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.60.3105
- Ordering: http://www.eisgold.de/Futaba-MDM166A-USB-VFD-Display_detail_2732.html

Supported Models: DM-140GINK, found in various HTPC cases like FIC Spectra, Fujitsu Scaleo E/Evi, FIC Spectra Viiv, Gigabyte H971, Hiper Media Center HMC-2K53A, MSI Media Live

- Display Properties: 112x16 pixel monochrome VFD
- Interface: USB
- Chipset: Elancup ePG3231
- Display Controller: ?
- USB Device ID: 040B-7001 / 1458-7001 / 1509-925D
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.60.3131

Unsupported Models: various parallel and serial interface Futaba VFD displays

GLCD2USB

Supported Model: GLCD2USB-KS0108

- Display Properties: 128x64 pixel monochrome LCD
- Interface: USB
- Chipset: Atmel ATmega32
- Display Controller: Samsung KS0108
- USB Device ID: 1C40-0525
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.60.3144
- Website: http://www.harbaum.org/till/glcd2usb
- Downloads: http://www.harbaum.org/till/glcd2usb/glcd2usb-2011-05-06.zip

Supported Model: GLCD2USB-SED1520

- Display Properties: 122x32 pixel monochrome LCD
- Interface: USB
- Chipset: Atmel ATmega32
- Display Controller: Epson SED1520
- USB Device ID: 1C40-0525
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.60.3144
- Website #1: http://www.harbaum.org/till/glcd2usb
- Website #2: http://mmdolze.users.sourceforge.net/glcd2usb-with-sed1520.html
- Downloads: http://www.harbaum.org/till/glcd2usb/glcd2usb-2011-05-06.zip
- Firmware: http://mmdolze.users.sourceforge.net/files/glcd2usb-sed1520-2013-02-24.tar.gz

Gravitech

Supported Model: SLCD-3

- Display Properties: 16x2 / 16x4 / 20x2 / 20x4 / 24x2 / 40x2 character monochrome LCD
- Interface: USB
- Chipset: Microchip PIC16F648A
- Display Controller: Hitachi HD44780
- USB Device ID: 0403-6001
- Windows Driver: ftdibus.sys
- API: ftd2xx.dll
- Support Status: Supported since AIDA64 v4.70.3231
- Website: http://www.gravitech.us/sechlcddrbok1.html
- Ordering: http://www.gravitech.us/sechlcddrbok1.html
- Windows Driver Download: http://www.ftdichip.com/FTDrivers.htm

HP

Unsupported Model: Digital Entertainment Center Z500 Series HTPC

- Display Properties: 16x2 character monochrome VFD
- Interface: USB
- Chipset: Atmel AT89S52
- Display Controller: ?
- USB Device ID: 1460-0024
- Windows Driver: ?
- API: ?
- Support Status: Not supported

IkaLogic

Supported Model: LCD Logic

- Display Properties: 16x2 / 16x4 / 20x2 / 20x4 character monochrome LCD
- Interface: USB
- Chipset: Atmel ATmega16
- Display Controller: Hitachi HD44780
- USB Device ID: 16C0-05DF
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.60.3144
- Website: http://ikalogicstore.com/index.php?id_product=17&controller=product
- Ordering: http://ikalogicstore.com/index.php?id_product=17&controller=product

IRTrans

Unsupported Models: various IRTrans OEM devices, found in various HTPC cases like Ahanix MCE303, Origen AE H5, Origen AE H6, Origen AE H7, Origen AE S10V, Origen AE S14V, Origen AE S16V, Origen AE VF110, Origen AE VF210, Zalman HD160

- Display Properties: 16x2 character monochrome VFD
- Interface: TCP/IP
- Support Status: Not supported

LCD2USB

Supported Models: LCD2USB, LCDmod U204FB-A1, LCDmod U204MB-B1, Tendraw 1602 USB LCD (found in various HTPC cases like Tendraw H112D, H116 and H129), Tendraw 2002 USB LCD (found in various HTPC cases like Tendraw H124, H125C, H125D and H128C)

- Display Properties: 16x2 / 16x4 / 20x2 / 20x4 / 24x2 / 40x2 / 40x4 character monochrome LCD
- Interface: USB
- Chipset: Atmel ATmega8
- Display Controller: Hitachi HD44780
- USB Device ID: 0403-C630
- Windows Driver: libusb0.sys
- API: libusb0.dll
- Support Status: Supported since AIDA64 v4.50.3026
- Website: http://www.harbaum.org/till/lcd2usb
- Downloads: http://www.harbaum.org/till/lcd2usb/lcd2usb-2010-12-14.zip
- 32-bit Windows Driver Download: http://www.harbaum.org/till/lcd2usb/lcd2usb-2010-12-14.zip

LCDInfo

Supported Model: USB13700

- Display Properties: up to 640x240 pixel monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: Epson S1D13700
- USB Device ID: 16C0-08A2
- Windows Driver: libusb0.sys
- API: libusb0.dll
- Support Status: Supported since AIDA64 v4.60.3121
- Website: http://www.lcdinfo.com/products/usb13700.html
- Ordering: http://www.lcdinfo.com/order.html
- Documentation: http://www.lcdinfo.com/products/usb13700.html
- Windows Driver Download: http://www.lcdinfo.com/usb13700/USB13700-libusb_installer_20140820.exe

Supported Model: USBD480-WQ43

- Display Properties: 480x272 16-bit color LCD
- Interface: USB
- Chipset: Cypress CY7C68013A
- Display Controller: ?
- USB Device ID: 16C0-08A6
- Windows Driver: libusb0.sys
- API: libusb0.dll
- Support Status: Supported since AIDA64 v4.60.3121
- Website: http://www.lcdinfo.com/products/usbd480-wq43.html
- Ordering: http://www.lcdinfo.com/order.html
- Documentation: http://www.lcdinfo.com/products/usbd480-wq43.html
- Windows Driver Download: http://www.lcdinfo.com/usbd480/USBD480_installer.exe

LCD Smartie Hardware

Supported Model: LCD Smartie Hardware

- Display Properties: 8x1 / 16x1 / 16x2 / 20x2 / 20x4 / 40x4 character monochrome LCD
- Interface: USB
- Chipset: Freescale MC9S08JS8CWJ
- Display Controller: Hitachi HD44780
- USB Device ID: 0403-FC63 / 20A0-3E10
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.70.3206
- Website: http://lcdsmartie.org
- Ordering: https://www.indiegogo.com/projects/lcd-smartie-hardware

LCDsysinfo

Unsupported Model: LCDsysinfo

- Display Properties: 320x240 pixel 262k color LCD
- Interface: USB
- Chipset: Atmel ATmega32A
- Display Controller: ?
- USB Device ID: 16C0-05DC
- Windows Driver: libusb0.sys
- API: libusb0.dll
- Support Status: Not supported
- Website: http://coldtearselectronics.wikispaces.com/USB+LCD+-+LCD+System+info
- Documentation: http://coldtears.lin3.siteonlinetest.com/files/LCDsysinfo.pdf
- Downloads: http://coldtears.lin3.siteonlinetest.com/files/LCDsysinfo.zip

Unsupported Model: LCDsysinfo for GOverlay v1

- Display Properties: 320x240 pixel 262k color LCD
- Interface: USB
- Chipset: Atmel ATmega32A
- Display Controller: ?
- USB Device ID: 20A0-41EC
- Windows Driver: libusb0.sys
- API: libusb0.dll
- Support Status: Not supported
- Website: http://www.goverlay.com/content/lcdsysinfo
- Ordering: http://www.goverlay.com/content/lcdsysinfo
- Downloads: http://www.goverlay.com/content/download

Unsupported Model: LCDsysinfo for GOverlay v2

- Display Properties: 480x320 pixel 262k color LCD
- Interface: USB
- Chipset: Atmel ATmega644PA
- Display Controller: ?
- USB Device ID: 20A0-41ED
- Windows Driver: libusb0.sys
- API: libusb0.dll
- Support Status: Not supported
- Website: http://www.goverlay.com/content/lcdsysinfo2
- Ordering: http://www.goverlay.com/content/lcdsysinfo2
- Downloads: http://www.goverlay.com/content/download

Note: LCDsysinfo displays do not support receiving raw bitmap frames, so they cannot be supported by the AIDA64 LCD module.

Leo Bodnar

Supported Model: SLI-F1

- Display Properties: 9x1 character monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 1DD2-1110
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.70.3231
- Website: http://leobodnar.com

Supported Model: SLI-M

- Display Properties: 1x1 character monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 1DD2-0102
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.70.3236
- Website: http://leobodnar.com

Supported Model: SLI-Pro

- Display Properties: 13x1 character monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 1DD2-0103
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.70.3236
- Website: http://leobodnar.com

Logitech

Supported Models: G13 Gameboard, G15 Gaming Keyboard, G510 Gaming Keyboard, G510s Gaming Keyboard, Z-10 Interactive Speaker System, Dell XPS M1730 Laptop

- Display Properties: 160x43 pixel monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 046D-C222
- Windows Driver: Logitech Gaming Software
- API: LgLcdApi
- Support Status: Supported since AIDA64 v1.00.1111
- Website: http://logitech.com
- Windows Driver Download: http://www.logitech.com/support/3498?crid=404&bit=64&osid=14

Supported Models: G19 Gaming Keyboard, G19s Gaming Keyboard

- Display Properties: 320x240 pixel 32-bit color LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 046D-C228
- Windows Driver: Logitech Gaming Software
- API: LgLcdApi
- Support Status: Supported since AIDA64 v1.00.1111
- Website: http://logitech.com
- Windows Driver Download: http://www.logitech.com/support/g19-keyboard-for-gaming

Unsupported Model: Cordless Desktop MX 5000 Laser

- Display Properties: 102x42 pixel monochrome LCD
- Interface: USB
- Support Status: Not supported

Unsupported Model: diNovo Media Pad

- Display Properties: 16x3 character monochrome LCD
- Interface: USB
- Support Status: Not supported

LPT

Supported Models: Various LPT port connected (parallel) HD44780 controller LCDs and VFDs, including SilverStone FP54 VFD Module Bay Device, SilverStone LC03 HTPC case, SilverStone LC03V HTPC case

- Display Properties: 16x1 / 16x2 / 16x4 / 20x2 / 20x4 / 24x2 / 40x2 / 40x4 character monochrome LCD
- Interface: LPT
- Display Controller: Hitachi HD44780
- Supported Wiring:
  - HD44780 8-bit Winamp:
    - LCD EN → LPT Pin1
    - LCD D0..D7 → LPT Pin2..9
    - LCD RW → LPT Pin14 or GND
    - LCD RS → LPT Pin16
    - LCD EN2 → LPT Pin17 [only for 40x4 displays]
- Support Status: Supported since AIDA64 v4.60.3135

Supported Models: Various LPT port connected (parallel) KS0108 controller LCDs

- Display Properties: 64x64 / 128x64 / 192x64 / 256x64 pixel monochrome LCD
- Interface: LPT
- Display Controller: Samsung KS0108
- Supported Wiring:
  - KS0108 Standard:
    - LCD EN → LPT Pin1
    - LCD D0..D7 → LPT Pin2..9
    - LCD CS1 → LPT Pin14
    - LCD CS2 → LPT Pin16
    - LCD RS → LPT Pin17
    - LCD RW → GND
    - LCD Reset → +5V
- Support Status: Supported since AIDA64 v4.60.3143
- Note: On 192x64 and 256x64 LCDs AIDA64 will automatically switch to CS multiplexing mode. In that mode CS1 and CS2 form a 2-bit value, where 00b represents the first 64x64 pixel block, 01b represents the second 64x64 pixel block, 10b represents the third 64x64 pixel block, and 11b represents the fourth 64x64 pixel block. If your KS0108 LCD has more than two CS pins (e.g. Crystalfontz CFAG19264A), then you have to use a de-multiplexing chip.

Supported Models: Various LPT port connected (parallel) SED1520 controller LCDs

- Display Properties: 120x32 / 122x32 pixel monochrome LCD
- Interface: LPT
- Display Controller: Epson SED1520
- Supported Wiring:

- SED1520 Standard:
  - LCD D0..D7 → LPT Pin2..9
  - LCD E1 → LPT Pin14
  - LCD E2 → LPT Pin16
  - LCD A0 → LPT Pin17
  - LCD RW → GND
  - LCD Reset → +5V
- Support Status: Supported since AIDA64 v4.60.3147

Supported Models: Various LPT port connected (parallel) T6963C controller LCDs

- Display Properties: 128x64 / 128x128 / 160x128 / 240x48 / 240x64 / 240x128 / 256x64 pixel monochrome LCD
- Interface: LPT
- Display Controller: Toshiba T6963C
- Supported Wiring:
  - T6963C Standard:
    - LCD WR → LPT Pin1
    - LCD D0..D7 → LPT Pin2..9
    - LCD CE → LPT Pin14
    - LCD C/D → LPT Pin16
    - LCD RD → LPT Pin17 or +5V
    - LCD Reset → +5V
- Support Status: Supported since AIDA64 v4.60.3145
- Note: Both 6x8 and 8x8 font settings are supported. In the AIDA64 Preferences e.g. “128x64x6” means 128x64 LCD with 6x8 font, and “128x64x8” means 128x64 LCD with 8x8 font. 8x8 font setting provides faster LCD screen updates.

Mad Catz

Supported Model: S.T.R.I.K.E. 7 Keyboard

- Display Properties: 480x320 pixel 32-bit color LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 0738-A109
- Windows Driver: Mad Catz S.T.R.I.K.E. 7 Drivers
- API: Strike7API.dll
- Support Status: Supported since AIDA64 v4.50.3019
- Website: http://www.madcatz.com/strike7
- Windows Driver & SDK Download: http://www.madcatz.com/downloads/strike7/

Notes:

- AIDA64 uses Strike7API, Mad Catz's own API to drive their Venom LCDs. You need to copy the 32-bit **Strike7API.dll** file from the latest Strike7 SDK ZIP package into the AIDA64 installation folder. In the Strike7 SDK ZIP package you can find that file in the **API/Win32** folder
- It is highly recommended to use the latest firmware for your Mad Catz keyboard

Matrix Orbital

Supported Models: BLC, BLK, ELK, LCD, LK, MX, OK, PK, VFD, VK, Ahanix MCE601 HTPC case

- Display Properties: 8x2 / 16x2 / 20x2 / 20x4 / 40x2 / 40x4 character monochrome LCD
- Interface: USB or RS232
- Chipset: ?
- Display Controller: ?
- USB Device ID: 0403-FAxx / 1B3D-01xx
- Windows Driver: ftdibus.sys
- API: ftd2xx.dll
- Support Status: Supported since AIDA64 v4.60.3125
- Website: http://www.matrixorbital.com/Intelligent-Display-Character-LCDs/c39_3
- Ordering: http://www.matrixorbital.com/Intelligent-Display-Character-LCDs/c39_3
- Documentation: http://www.matrixorbital.ca/manuals/LK_Series
- Windows Driver Download: http://www.matrixorbital.ca/drivers
- Note: Matrix Orbital compatible interfaces (like Adafruit, CH424, Dangerous Prototypes, PalmOrb, USB2LCD+) are only supported if they return a proper module type for the Read Module Type (0xFE 0x37) command. The device ID should correspond to the actual LCD resolution, so e.g. a 16x2 display should return a similar module type as a 16x2 Matrix Orbital display.

Supported Models: BGK, EGLK, GLC, GLK, GLT

- Display Properties: 122x32 / 192x64 / 240x64 / 240x128 pixel monochrome LCD
- Interface: USB or RS232
- Chipset: Atmel ATmega164P
- Display Controller: Epson SED1520 / Toshiba T6963
- USB Device ID: 0403-FAxx / 1B3D-01xx
- Windows Driver: ftdibus.sys
- API: ftd2xx.dll
- Support Status: Supported since AIDA64 v4.60.3125
- Website: http://www.matrixorbital.com/Intelligent-Display-Graphic-LCDs/c39_5
- Ordering: http://www.matrixorbital.com/Intelligent-Display-Graphic-LCDs/c39_5
- Documentation: http://www.matrixorbital.ca/manuals/GLK_Series
- Windows Driver Download: http://www.matrixorbital.ca/drivers
- Note: Current LCD page is indicated with the onboard LEDs
- Note: Due to their interface bottleneck BGK, EGLK, GLK and GLT displays perform screen updates quite slowly, so visual discrepancies may be experienced when using the GLK (graphics) protocol on these displays. It is possible to use the LK (character based) protocol on GLK displays as well, which will work much faster. In order to switch between the GLK and LK protocols, you need to first disable the GLK protocol (in AIDA64 / main menu / File / Preferences / Hardware Monitoring / LCD), and then enable the LK protocol on the same page. Ignore the error, and restart AIDA64 to apply the switch.

Supported Models: EVE2-29A, EVE2-35A, EVE2-35G, EVE2-38A, EVE2-38G, EVE2-43A, EVE2-43G, EVE2-50A, EVE2-50G, EVE2-70A, EVE2-70G, EVE3-35A, EVE3-35G, EVE3-38A, EVE3-38G, EVE3-39, EVE3-43A, EVE3-43G, EVE3-50A, EVE3-50G, EVE3-70A, EVE3-70G, EVE4-40G, EVE4-70A, EVE4-70G, EVE4-101A, EVE4-101G + EVE2-USB2SPI-KIT

- Display Properties: 320x102 / 320x240 / 480x116 / 480x272 / 800x480 pixel 16-bit color LCD
- Interface: USB
- Chipset: FTDI FT813Q EVE
- Display Controller: ?
- SPI-to-USB Bridge: FTDI FT232H
- USB Device ID: 1B3D-0200
- Windows Driver: ftdibus.sys
- API: ~~libMPSSE.dll (SPI)~~ ftd2xx.dll since AIDA64 v5.98.4810
- Support Status: Supported since AIDA64 v5.97.4704
- Website: https://www.matrixorbital.com/ftdi-eve
- Ordering: https://www.matrixorbital.com/index.php?route=product/search&search=eve2
- Documentation: https://www.matrixorbital.com/documents/manuals/eve2-manual
- Windows Driver Download: https://www.matrixorbital.com/drivers/usb-drivers
- Note: USB connection requires the Matrix Orbital EVE2-USB2SPI-KIT
- ~~Note: AIDA64 uses LibMPSSE-SPI API to communicate with SPI devices. You need to copy the 32-bit **libMPSSE.dll** file from the latest LibMPSSE-SPI ZIP package https://www.ftdichip.com/Support/SoftwareExamples/MPSSE/LibMPSSE-SPI.htm into the AIDA64 installation folder. In the LibMPSSE-SPI ZIP package you can find that file in the **Release/lib/windows/i386** folder~~

Supported Models: GTT29A, GTT35A, GTT38A, GTT43A, GTT50A, GTT52B, GTT57M, GTT70A

- Display Properties: 320x102 / 320x240 / 480x116 / 480x128 / 480x272 / 640x480 / 800x480 pixel 16-bit color LCD
- Interface: USB
- Chipset: NXP LPC1788
- Display Controller: ?
- USB Device ID: 1B3D-93xx
- Windows Driver: ftdibus.sys
- API: ftd2xx.dll
- Support Status: Supported since AIDA64 v5.98.4814
- Website: https://www.matrixorbital.com/matrix-orbital/graphic-tft-touch
- Ordering: https://www.matrixorbital.com/matrix-orbital/graphic-tft-touch
- Documentation: https://www.matrixorbital.com/index.php?route=download/download_category&dpath=274_178_2
- Windows Driver Download: https://www.matrixorbital.com/drivers/usb-drivers
- Note: GTT displays implement a slow serial connection which makes frame updates a bit sluggish.

Supported Model: GX Typhoon

- Display Properties: 240x64 pixel monochrome LCD
- Interface: USB
- Chipset: NXP LPC2141
- Display Controller: ?
- USB Device ID: 1B3D-000A / 1B3D-000B / 1B3D-000C
- Windows Driver: winusb.sys
- API: gx3
- Support Status: Supported since AIDA64 v4.50.3037
- Website: https://www.matrixorbital.com/matrix-orbital
- Ordering: https://www.matrixorbital.com/matrix-orbital
- Documentation: https://www.matrixorbital.com/index.php?route=download/download_category&dpath=274_178_7
- Windows Driver Download: https://www.matrixorbital.com/drivers/usb-drivers

Modding-FAQ

Supported Model: Modding-FAQ USB-cLCD

- Display Properties: 16x2 / 16x4 / 20x2 / 20x4 / 40x2 / 40x4 character monochrome LCD
- Interface: USB
- Chipset: Atmel ATtiny2313
- Display Controller: Hitachi HD44780
- USB Device ID: 03EB-7A53
- Windows Driver: libusb0.sys
- API: libusb0.dll
- Support Status: Supported since AIDA64 v5.20.3475
- Website: http://www.modding-faq.de/index.php?artid=615
- Downloads: http://www.modding-faq.de/index.php?artid=615&page=4
- 32-bit Windows Driver Download: http://www.modding-faq.de/moddingfaq/lcd/usb-lcd/USB-LCD-Treiber.zip

MSI

Supported Models: MEG CoreLiquid S280, MEG CoreLiquid S360

- Display Properties: 240x320 pixel 32-bit color LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 0DB0-75B6 / 0DB0-8DBF / 0DB0-9BA6 / 0DB0-D085 / 1462-9BA6
- Windows Driver: ?
- API: MSI_HMI_Display_x86.dll
- Support Status: Supported since AIDA64 v6.90.6503

nMedia

Supported Model: Pro-LCD

- Display Properties: 20x2 character monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: Hitachi HD44780
- USB Device ID: 0403-6001
- Windows Driver: ftdibus.sys
- API: ftd2xx.dll
- Support Status: Supported since AIDA64 v4.50.3050
- Website: http://www.nmediapc.com/prolcd.htm
- Documentation: http://www.nmediapc.com/LCD/LCDManualWeb.pdf
- Windows Driver Download: http://www.nmediapc.com/LCD/download.htm

Noteu

Supported Model: Noteu v1

- Display Properties: 20x4 character monochrome LCD
- Interface: Bluetooth
- Chipset: Atmel ATmega328
- Display Controller: Hitachi HD44780
- API: Bluetooth VCP (Virtual COM Port)
- Support Status: Supported since AIDA64 v5.20.3468
- Website: http://www.noteu.co.uk
- Documentation: http://www.noteu.co.uk/getstarted
- Windows Driver Download: http://www.noteu.co.uk/getstarted/guide/v1/bluetooth

Unsupported Model: Noteu v2

- Display Properties: 240x320 pixel color LCD
- Interface: WiFi
- Chipset: ?
- Display Controller: ?
- API: ?
- Support Status: Not supported
- Website: http://www.noteu.co.uk
- Documentation: http://www.noteu.co.uk/getstarted
- Windows Driver Download: ?

Odroid

Supported Model: Odroid-Show

- Display Properties: 240x320 pixel 16-bit color LCD
- Interface: USB
- Chipset: Atmel ATmega328P
- Display Controller: Ilitek ILI9340
- USB-to-UART Bridge: Silicon Labs CP2104
- USB Device ID: 10C4-EA60
- Windows Driver: silabser.sys
- API: VCP (Virtual COM Port)
- Support Status: Supported since AIDA64 v4.60.3133
- Website: http://hardkernel.com/main/products/prdt_info.php?g_code=G139781817221
- Documentation: http://odroid.com/dokuwiki/doku.php?id=en:odroidshow
- Downloads: http://coldtears.lin3.siteonlinetest.com/files/LCDsysinfo.zip

Pertelian

Supported Model: X2040

- Display Properties: 20x4 character monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: Hitachi HD44780
- USB Device ID: 0403-6001
- Windows Driver: ftdibus.sys
- API: ftd2xx.dll
- Support Status: Supported since AIDA64 v4.50.3048
- Windows Driver Download: http://www.ftdichip.com/FTDrivers.htm

Phidgets

Supported Model: PhidgetTextLCD Adapter

- Display Properties: 8x1 / 8x2 / 16x1 / 16x2 / 16x4 / 20x2 / 20x4 / 24x2 / 40x1 / 40x2 / 40x4 character monochrome LCD
- Interface: USB
- Chipset: Cypress CY7C64215
- Display Controller: Hitachi HD44780
- USB Device ID: 06C2-003D
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.60.3134
- Website: http://www.phidgets.com/products.php?category=15&product_id=1204_0
- Documentation: http://www.phidgets.com/docs/1204_User_Guide
- Downloads: http://www.phidgets.com/docs/Operating_System_Support

Supported Model: PhidgetTextLCD 20X2 with Integrated PhidgetInterfaceKit 8/8/8

- Display Properties: 20x2 character monochrome LCD
- Interface: USB
- Chipset: Cypress CY7C64215
- Display Controller: Hitachi HD44780
- USB Device ID: 06C2-007D
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.60.3134
- Website: http://www.phidgets.com/products.php?category=15&product_id=1203_2
- Documentation: http://www.phidgets.com/docs/1203_User_Guide
- Downloads: http://www.phidgets.com/docs/Operating_System_Support

picoLCD

Supported Models: picoLCD 20x2 OEM, picoLCD 20x4 Desktop

- Display Properties: 20x2 / 20x4 character monochrome LCD
- Interface: USB
- Chipset: Microchip PIC18F4550
- Display Controller: ?
- USB Device ID: 04D8-0002 / 04D8-C001
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.60.3134
- Website: http://www.mini-box.com/picoLCD
- Ordering: http://www.mini-box.com/picoLCD
- Documentation: http://www.mini-box.com/picoLCD

Supported Model: picoLCD 256x64 Sideshow

- Display Properties: 256x64 pixel monochrome LCD
- Interface: USB
- Chipset: Microchip PIC18F4455
- Display Controller: TopWay LM6800 (KS0108 compatible)
- USB Device ID: 04D8-C002
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.60.3101
- Website: http://www.mini-box.com/picoLCD
- Ordering: http://www.mini-box.com/picoLCD
- Documentation: http://www.mini-box.com/picoLCD

POS

Supported Models: various customer displays (pole displays, table displays, etc.) made by Bixolon, Emax, Epson, Glancetron, Logic Controls, Posiflex, etc.

- Display Properties: 20x2 character monochrome VFD
- Interface: RS232 (or Virtual COM Port via USB)
- Supported POS Protocols: ADM787/788, Aedex, CD5220, DSP800, Emax, Epson ESC/POS, ICD2002, Logic Controls, UTC Standard, UTC Enhanced
- Support Status: Supported since AIDA64 v4.60.3128
- Note: COM port parameters should be pre-configured via Windows Device Manager. It's not possible to alter baud rate, parity and other port settings from AIDA64.

Unsupported Models: customer displays with a graphical LCD, for example:

- Epson DM-D500
- Glancetron 8013

Pyramid

Supported Model: Pyramid USB LCD v2.x

- Display Properties: 16x2 character monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: Hitachi HD44780
- USB Device ID: 0403-E6C8
- Windows Driver: ftdibus.sys
- API: ftd2xx.dll
- Support Status: Supported since AIDA64 v4.60.3133
- Windows Driver Download: http://www.ftdichip.com/FTDrivers.htm

Razer

Supported Models: Blade Pro Gaming Laptop, DeathStalker Ultimate Gaming Keyboard, SWTOR (Star Wars: The Old Republic) Gaming Keyboard

- Display Properties: 800x480 pixel 16-bit color multi-touch LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 1532-0114
- Windows Driver: rzudd.sys
- API: RzSwitchbladeSDK2.dll
- Support Status: Supported since AIDA64 v3.20.2630
- Website: http://www.razerzone.com/gaming-keyboards-keypads/razer-deathstalker-ultimate
- Windows Driver Download: http://drivers.razersupport.com

RoboPeak

Supported Model: RPUSBDisp

- Display Properties: 320x240 pixel 16-bit color LCD
- Interface: USB
- Chipset: STMicro STM32F103
- Display Controller: ?
- USB Device ID: FCCF-A001
- Windows Driver: libusb0.sys
- API: libusb0.dll
- Support Status: Supported since AIDA64 v5.98.4821
- Website: http://www.robopeak.com/blog/?p=406
- Ordering: https://www.dfrobot.com/product-1062.html
- Windows Driver Download: http://download.aida64.com/resources/lcd/alphacool_lcd_driver_2_1.zip
- Note: This Windows driver was originally made for AlphaCool LCD displays. It can be used for RoboPeak LCD displays as well, but the driver installation has to be forced due to the USB device ID mismatch. The driver installation works as: Open **Device Manager** --> Other devices --> double-click on **rp-usbdisp** --> **Update Driver** button --> Browse my computer for driver software --> Let me pick from a list of available drivers on my computer --> Show All Devices --> **Next** button --> **Have Disk** button --> **Browse** button --> select **acusbdisplay.inf** file from the AlphaCool LCD driver folder --> **Next** button --> press **Yes** button on the **Update Driver Warning** message box.

Roccat

Supported Model: Valo Gaming Keyboard

- Display Properties: 16x2 character monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 1E7D-3201
- Windows Driver: valofltr.sys
- API: ValoFltr
- Support Status: Supported since AIDA64 v4.60.3133
- Website: http://www.roccat.org/Support/Gaming-Keyboards/ROCCAT-Valo
- Windows Driver Download: http://www.roccat.org/Support/Gaming-Keyboards/ROCCAT-Valo

Saitek

Supported Model: X52 Pro

- Display Properties: 16x3 character monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 06A3-0762
- Windows Driver: SaiK0762.sys
- API: DirectOutput.dll
- Support Status: Supported since AIDA64 v5.20.3465
- Website: http://www.saitek.com/uk/prod/x52pro.html
- Downloads: http://www.saitek.com/uk/down/drivers.php

Supported Model: Pro Flight Instrument Panel

- Display Properties: 320x240 pixel 24-bit color LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 06A3-A2AE
- Windows Driver: SaidA2AE.sys
- API: DirectOutput.dll
- Support Status: Supported since AIDA64 v5.20.3468
- Website: http://www.saitek.com/uk/prod/fip.html
- Downloads: http://www.saitek.com/uk/down/drivers.php

Samsung

Supported Models: SPF-72H* (see note below), SPF-75H, SPF-76H, SPF-83H, SPF-85H, SPF-85P, SPF-86H, SPF-86P, SPF-87H, SPF-105P, SPF-107H, 700T, 800P, 800PE, 800W, 1000P, 1000W

- Display Properties: 800x480 / 800x600 / 1024x600 pixel color Digital Photo Frame LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 04E8- 200B / 04E8- 200D / 04E8- 200F / 04E8- 2011 / 04E8- 2013 / 04E8- 2015 / 04E8- 2017 / 04E8- 2019 / 04E8- 201B / 04E8- 2026 / 04E8- 2028 / 04E8- 2034 / 04E8- 2036 / 04E8- 2038 / 04E8- 2040 / 04E8- 2045 / 04E8- 2046 / 04E8- 204A / 04E8- 204C / 04E8- 204E / 04E8- 2050
- Windows Driver: sam_miniusb.sys / libusb0.sys
- API: SODI / libusb0.dll
- Support Status: Supported since AIDA64 v4.60.3116
- Documentation (SPF-107H): http://www.samsung.com/us/support/owners/product/SPF-107H
- Windows Driver Download (SPF-107H): http://www.samsung.com/us/support/owners/product/SPF-107H
- Windows Driver Download (libusb0): http://download.aida64.com/resources/lcd/samsung_spf_lcd_driver.zip

Notes:

- AIDA64 will switch the device from Mass Storage Mode to Mini Monitor Mode if necessary. That transition could take up to 10 seconds. When the switch takes place, and there's Samsung Frame Manager software installed, Windows Aero may get disabled by Samsung Frame Manager's Mini Monitor feature
- AIDA64 may collide with Samsung Frame Manager. To avoid the collisions, terminate the process called **sam_controller.exe** via Windows Task Manager, or uninstall Samsung Frame Manager
- If Samsung Frame Manager is installed, but its Mini Monitor feature is not used, it's recommended to disable the Samsung Monitor device in Device Manager / Display Adapters
- Samsung drivers and Samsung Frame Manager are not compatible with Windows 8 and Windows 8.1. Under these operating systems use the libusb0 drivers instead
- SPF-72H may be unstable in Mini Monitor Mode, and so may not work properly with AIDA64: https://forums.aida64.com/topic/3447-samsung-spf-72h-display-panel-stuck/

Unsupported Models: SPF-71E, SPF-71ES. These devices do not support Mini Monitor Mode, and so AIDA64 cannot use them as an external LCD.

Unsupported Models: SPF-72V, SPF-83V, SPV-105V. These devices use a different USB protocol that is unsupported by AIDA64 at this time.

SDC

Supported Model: Megtron

- Display Properties: 240x128 pixel monochrome LCD
- Interface: USB
- Chipset: Atmel
- Display Controller: Toshiba T6963C
- USB Device ID: 152A-8380
- Windows Driver: sdc_usblcd.sys
- API: lcdDriverAPI.dll
- Support Status: Supported since AIDA64 v4.60.3104
- Windows Driver Download: http://shop.smart-display-company.de/de/Hilfe-und-Support-Forum

Shuttle

Unsupported Models: PF27 VFD Panel Upgrade Kit, various Shuttle HTPC and XPC models like M1000, M2000, G5 3200M, G5 3300M, G5 8300M, SB83G5M, SG33G5M.

- Display Properties: 20x1 character monochrome VFD
- Interface: USB
- Chipset: Cypress CY7C63723C
- Display Controller: Princeton Technologies PT6314
- USB Device ID: 051C-0003 / 051C-0005 / 1308-0003 / 1308-0005
- Windows Driver: ?
- API: ?
- Support Status: Not supported

SmartCool

Supported Models: SmartCool LCD

- Display Properties: 800x480 pixel 24-bit color LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 2A55-9990
- Windows Driver: winusb.sys
- API: WinUSB
- Support Status: Supported since AIDA64 v6.85.6300

SoundGraph

Supported Models: iMon UltraBay, HTPC ODM/OEM LCD, Antec Veris Premier Multimedia Station, SilverStone MFP51 Bay Device, various HTPC cases like Antec Fusion Max, Antec MicroFusion 350, Inter-Tech HTPC 2008-V, Luxa2 LM100, SilverStone CW02, SilverStone Grandia GD01MX, SilverStone ML02, Thermaltake DH202, Zalman HD160 Plus

- Display Properties: 96x16 pixel monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 15C2-0038 / 15C2-0039 / 15C2-0045 / 15C2-FFDC
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.60.3101
- Website: http://soundgraph.com/ultrabay-feature-en
- Windows Driver Download: http://www.soundgraph.com/user-forums-support-en

Supported Models: iMon VFD, HTPC ODM/OEM VFD, Antec Veris Elite Multimedia Station, Thermaltake MediaLAB A2328, Thermaltake MediaLAB A2331, various HTPC cases like 3R System M-Station HT1100, Accent HT-400, Antec Fusion, Antec Fusion 430, Chieftec Hi-Fi, mCubed HFX Classic, Origen AE M10, Origen AE S10V, Origen AE S14V, Origen AE S16V, Origen AE VF310, SilverStone LC16M, SilverStone LC20M, Thermaltake Bach, Thermaltake Mozart, Thermaltake Mozart SX

- Display Properties: 16x2 character monochrome VFD
- Interface: USB
- Chipset: ?
- Display Controller: Hitachi HD44780
- USB Device ID: 15C2-0036 / 15C2-0044 / 15C2-FFDC
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v4.50.3050
- Website: http://soundgraph.com/vfd-feature-en
- Windows Driver Download: http://www.soundgraph.com/user-forums-support-en

Unsupported Models: custom iMon LCD of 3R System M-Station HT1000, HT2000, HT3000, and HT4000 HTPC cases

- Display Properties: 12x1 character monochrome LCD
- Interface: ?
- Support Status: Not supported

SpikenzieLabs

Supported Model: MPTH (a.k.a. SpikenzieLabs LCD Interface)

- Display Properties: 16x1 / 16x2 / 20x4 / 40x2 character monochrome LCD
- Interface: USB
- Chipset: Microchip PIC16F689
- Display Controller: Hitachi HD44780
- USB Device ID: 0403-6001
- Windows Driver: ftdibus.sys
- API: ftd2xx.dll
- Support Status: Supported since AIDA64 v4.60.3149
- Website: http://www.spikenzielabs.com/SpikenzieLabs/MPTH.html
- Ordering: http://www.spikenzielabs.com/Catalog/index.php?main_page=advanced_search_result&search_in_description=1&keyword=mpthv3&x=0&y=0
- Windows Driver Download: http://www.ftdichip.com/FTDrivers.htm

SteelSeries

Supported Model: Rival 710 Gaming Mouse

- Display Properties: 128x36 pixel monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 1038-1730
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v5.99.4989
- Website: https://steelseries.com
- Windows Driver Download: https://steelseries.com/engine

Supported Models: Apex 7, Apex 7 TKL, Apex Pro, Apex Pro TKL Gaming Keyboards

- Display Properties: 128x40 pixel monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 1038-1612 / 1038-1610
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v6.20.5337
- Website: https://steelseries.com
- Windows Driver Download: https://steelseries.com/engine

Unsupported Model: Arctis Pro + GameDAC

- Display Properties: ???x??? pixel monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: ?
- Windows Driver: (not needed)
- API: HID
- Support Status: Not supported
- Website: https://steelseries.com
- Windows Driver Download: https://steelseries.com/engine

Sure Electronics

Supported Models: DE-LD011, DE-LD012, DE-LD013, DE-LD021, DE-LD022, DE-LD023

- Display Properties: 16x2 / 20x4 character monochrome LCD
- Interface: USB
- Chipset: Microchip PIC16F722
- Display Controller: LSI S6A0069 (HD44780 compatible)
- USB-to-UART Bridge: Silicon Labs CP2102
- USB Device ID: 10C4-EA60
- Windows Driver: silabser.sys
- API: VCP (Virtual COM Port)
- Support Status: Supported since AIDA64 v4.60.3113
- Website: http://www.sureelectronics.net
- Ordering: http://stores.ebay.com/sure-display
- Windows Driver Download: http://www.sure-electronics.net/download/index.php?name=de-ld021&type=0

Trefon

Supported Model: USB-LCD

- Display Properties: 8x1 / 16x2 / 20x4 / 24x2 character monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: Hitachi HD44780 / Samsung KS0073 (for 20x4)
- USB Device ID: FFF0-FFFD, FFF0-FFFE
- Windows Driver: libusb0.sys
- API: libusb0.dll
- Support Status: Supported since AIDA64 v4.60.3115
- Website: http://trefon.de/usb-displays
- Ordering: http://trefon.de/produkt-kategorie/usb-displays
- Windows Driver Download: http://trefon.de/usb-displays

Supported Model: USB-GLCD

- Display Properties: 122x32 / 128x64 pixel monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: Epson SED1520 (for 122x32) / Samsung KS0108 (for 128x64)
- USB Device ID: FFF0-FFFD, FFF0-FFFE
- Windows Driver: libusb0.sys
- API: libusb0.dll
- Support Status: Supported since AIDA64 v4.60.3115
- Website: http://trefon.de/usb-displays
- Ordering: http://trefon.de/produkt-kategorie/usb-displays
- Windows Driver Download: http://trefon.de/usb-displays

UCSD

Supported Model: UCSD (USB Computer Status Display)

- Display Properties: 40x4 character monochrome LCD
- Interface: USB
- Chipset: Microchip PIC18F2550
- Display Controller: Newhaven Display NHD-0440WH (HD44780 compatible)
- USB Device ID: 04D8-4147
- Windows Driver: (not needed)
- API: HID
- Support Status: Supported since AIDA64 v5.20.3464
- Website, Downloads: http://www.agehringer.com/usb-computer-status-display

USB2LCD+

Supported Model: USB2LCD+

- Display Properties: 16x2 / 16x4 / 20x2 / 20x4 character monochrome LCD
- Interface: USB
- Chipset: Microchip PIC18F2550
- Display Controller: Hitachi HD44780
- USB Device ID: 5BCD-5BCD
- Windows Driver: usbser.sys
- API: VCP (Virtual COM Port)
- Support Status: Supported since AIDA64 v4.60.3133
- Website, Downloads: http://www.coderforlife.com/projects/lcd

VL System

Supported Model: L.I.S MCE

- Display Properties: 20x2 character monochrome VFD
- Interface: USB
- Chipset: Microchip PIC16F716
- Display Controller: NEC uPD16314
- USB Device ID: 0403-6001
- Windows Driver: ftdibus.sys
- API: ftd2xx.dll
- Support Status: Supported since AIDA64 v4.50.3050
- Website: http://vlsys.co.kr

Supported Models: L.I.S 2, M-Play, various HTPC cases like Zalman HD135

- Display Properties: 20x2 character monochrome VFD
- Interface: USB
- Chipset: ?
- Display Controller: ?
- USB Device ID: 0403-6001
- Windows Driver: ftdibus.sys
- API: ftd2xx.dll
- Support Status: Supported since AIDA64 v4.50.3050
- Website: http://vlsys.co.kr

VoCore

Supported Models: VoCore2

- Display Properties: 480x800 / 480x854 pixel 16-bit color LCD
- Interface: USB
- Chipset: Corebai CBM9002A-56LCG
- Display Controller: DX-CTP1483-V2
- USB Device ID: C872-1004
- Windows Driver: libusb0.sys
- API: libusb0.dll
- Support Status: Supported since AIDA64 v6.33.5725
- Website, Downloads: https://vocore.io/screen.html

Wallbraun

Supported Models: LCD-USB-Interface (LUI) V1, V2

- Display Properties: 320x240 pixel monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: Hitachi SP14Q002
- USB Device ID: 0403-E588
- Windows Driver: ftdibus.sys
- API: LUIse.dll
- Support Status: Supported since AIDA64 v4.60.3136
- Website (V1): http://www.wallbraun-electronics.de/produkte/lcdusbinterfacev1
- Website (V2): http://www.wallbraun-electronics.de/produkte/lcdusbinterfacev2

Supported Model: LCD-USB-Interface (LUI) V3

- Display Properties: 320x240 pixel monochrome LCD
- Interface: USB
- Chipset: ?
- Display Controller: Hitachi SP14Q002
- USB Device ID: 0403-6001
- Windows Driver: ftdibus.sys
- API: LUIse.dll
- Support Status: Supported since AIDA64 v4.60.3136
- Website: http://www.wallbraun-electronics.de/produkte/lcdusbinterfacev300

Notes:

- AIDA64 uses LUIse, Wallbraun's own API to drive their LUI LCD devices. You need to copy the **LUIse.dll** file from the latest "Programmierschnittstelle für LCD-USB-Interface" ZIP package into the AIDA64 installation folder
- It is highly recommended to use the latest firmware for your Wallbraun display

Yoctopuce

Supported Models: Yocto-MiniDisplay, Yocto-Display, Yocto-MaxiDisplay

- Display Properties: 96x16 / 128x32 / 128x64 pixel monochrome OLED
- Interface: USB
- Chipset: Microchip PIC24F-J256 (for Yocto-MiniDisplay)
- Display Controller: ?
- USB Device ID: 24E0-002F / 24E0-002D / 24E0-0030
- Windows Driver: (not needed)
- API: yapi.dll
- Support Status: Supported since AIDA64 v4.60.3106
- Website: http://www.yoctopuce.com/EN/products/category/usb-displays
- Ordering: http://www.yoctopuce.com/EN/products/category/usb-displays
- Documentation: http://www.yoctopuce.com/projects/yoctodisplay-128x32/YD128X32.usermanual-EN.pdf

Notes:

- AIDA64 uses yapi, Yoctopuce's own API to drive their USB devices. You need to copy the 32-bit **yapi.dll** file from the latest C++ YoctoLib ZIP package http://www.yoctopuce.com/EN/libraries.php into the AIDA64 installation folder. In the C++ YoctoLib ZIP package you can find that file in the **Binaries/windows/yapi** folder
- It is highly recommended to use the latest firmware for your Yoctopuce display. You can update the firmware using VirtualHub: http://www.yoctopuce.com/EN/virtualhub.php