

Fysetc Catalyst Bullant

Übersicht

Catalyst	Bullant
Repo https://github.com/FYSETC/Catalyst_Kit_V2.0	https://github.com/FYSETC/FYSETC_Bullant_V1.0
Image https://github.com/FYSETC/Catalyst_Kit_V2.0/blob/449f84ea78f707c273e316bcebbfd13e400e57/software/update_voron0_2_20240108.rar	https://github.com/FYSETC/FYSETC_Bullant_V1.0/blob/90d785366823cc0e31b07560f8dc90145677ea5/software/Bullant_Armbian_OS_Klipper_Build_in_V1.0.rar
User / Password Default: linaro@linaro, root@root	Default: bullant@armbian, root@armbian
Hostname maixsense	maixsense
Schaltplan https://github.com/FYSETC/Catalyst_Kit_V2.0/blob/449f84ea78f707c273e316bcebbfd13e400e57/hardware/CATALYST%20V2.0%20SCH.pdf	https://github.com/FYSETC/FYSETC_Bullant_V1.0/blob/90d785366823cc0e31b07560f8dc90145677ea5/Bullant%20V1.0%20SCH.pdf
Pinout https://github.com/FYSETC/Catalyst_Kit_V2.0/blob/449f84ea78f707c273e316bcebbfd13e400e57/hardware/CATALYST%20V2.0%20Pinout.png	https://github.com/FYSETC/FYSETC_Bullant_V1.0/blob/90d785366823cc0e31b07560f8dc90145677ea5/Bullant%20V1.0%20PINOUT.pdf
CPU / RAM CM68 core based on RK3568 Quad Core 2GB Ram	Allwinner R329 Dual-Core Cortex-A53 ARM CPU/Sip 256MB DRAM
eMMC Storage 32GB	-
Network 1Gb Kein Autonegotiation auf 100mBit	100mBit
USB 2x USB3.0	1x USB2.0
µController STM32F446	RP2040
Treiber TMC2209	TMC2209 + GC6609
RGB vorhanden	vorhanden
Fans 3x geregelt bis 24V	1 Fan
Temp 3x Temp	1x Temp
CAN Bus vorhanden	-
Sonstiges 2x SPI, extra 2x UART	-

Besonderheiten

- **M36 Boards nicht Pinkompatibel (Anschluss)**
 - anderes Pinout am Stecker aber gleiche Stecker / Buchse
- M36 Boards sehen auch identisch aus
- keine root Partition mit armbian Konfig
- Image für Catalyst laut Pi Imager defekt weil Bytesumme nicht durch 512 teilbar
- Catalyst Board geht bei 100MBit Netzwerk nicht Online!!
- Zugriff auf Bullant per seriellem Port (für Init) → unpraktisch
- Bullant macht direkt Update nach Erststart → CPU geblockt
- installiertes octoeverywhere → Remote Access
- Update CM68
 - plugin the USB3.0 A-A cable into the interface on the upper layer of the blue USB3.0 socket,
 - open the “RKDevTool_Release”,
 - hold the recovery button, click the reset button, when the RKDevTool found device, release the 2 buttons
 - Click the Upgrade Firmware tab, click the Firmware button to select the firmware, and click the Upgrade button to upgrade
 - Wait for the upgrade to complete. Remember not to cut off the power or unplug the data cable during the process, otherwise the upgrade will fail or even damage the CM68.

Linux Lookaround

- `sudo apt update && sudo apt upgrade -y && sudo apt install -y git silversearcher-ag wavemon hexedit sudoku tcpdump iptraf mc htop dcfldd nano usbutils ranger tldr ncd u-can-utils multital fd-find lsof xllvnc terminator minicom cutecom joystick jstest-gtk && mkdir -p ~/.local/share && tldr -u`
- `cat /etc/os-version`
- `uname -a`
- `free, htop` → Systemauslastung

Doom compilieren (chocolate)

- basierend auf https://www.chocolate-doom.org/wiki/index.php/Building_Chocolate_Doom_on_Debian
- `sudo apt install -y gcc make libsdl2-dev libsdl2-net-dev libsdl2-mixer-dev automake autoconf libtool git pkg-config`
- `git clone https://github.com/chocolate-doom/chocolate-doom.git`
- `cd chocolate-doom && ./autogen.sh`
- `make -j4`
- `sudo make install`

From:
<https://drklipper.de/> - **Dr. Klipper Wiki**

Permanent link:
https://drklipper.de/doku.php?id=klipper_faq:sbcs:fysetc_catalyst_bullant&rev=1715700401

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