ARM JTAG/SWD Debugger Programmer with Micro USB Interface
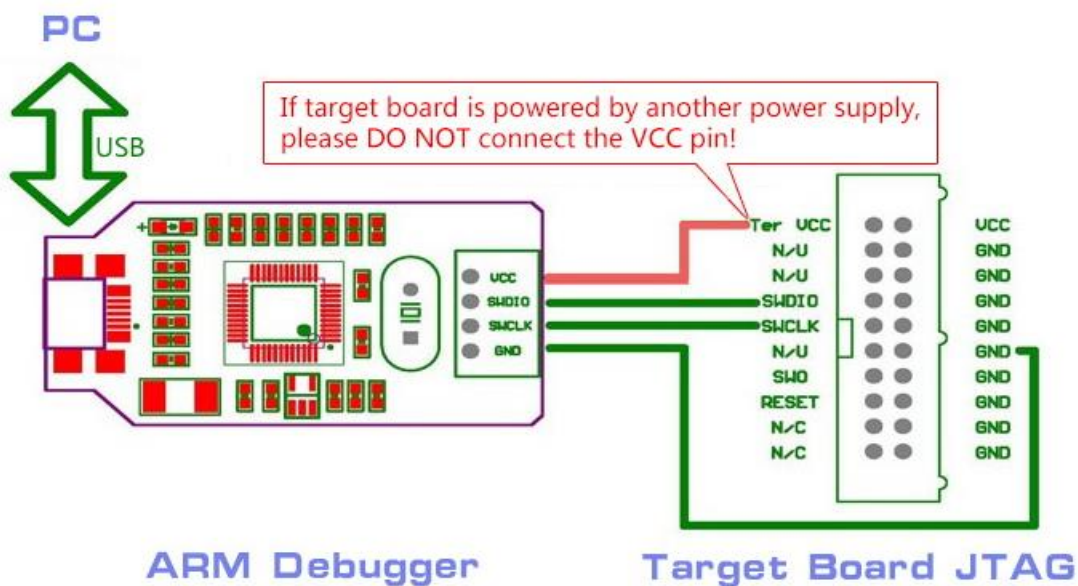
Overview

ARM Debugger is a debugger and programmer which supports the most popular ARM core MCUs including : ARM7/9/11, Cortex-M0/M3/M4, etc.

Hardware Connection

Please note that the VCC and GND should be connected correctly to avoid any damage.

Specifications

- Onboard self-recovery fuse, prevent any damage from short circuit
- 3.3V output, make it easy to debug/program the code
- Universal Micro USB interface
- Protected by heat-shrink tube
- Unique ID, supports multi devices to work together at the same time

Functionality and Performance

- **Debugging**

- o Supports full-speed running, single step, breakpoints and so on. Check IO status, variable, etc.
- o Quick response through the USB2.0 interface
- **Programming**
- o Programs FLASH ROM, EEPROM, AFR, etc.
- o High speed SWD programming through the USB2.0 interface

Supported Software

- Keil MDK-ARM
- IAR EWARM
- J-Flash ARM
- CoIDE
- mikroC PRO for ARM
- nRFgo Studio (Version 1.15 OR before)

Supported MCUs

All the MCUs with SWD interface of the following cores : ARM7, ARM9, ARM11, Cortex-M0, Cortex-M3, Cortex-M4.

Gyártó	Típusszám
ST	STA2051,STM32F101C4, STM32F101C6, STM32F101C8, STM32F101CB, STM32F101R4, STM32F101R6, STM32F101R8, STM32F101RB, STM32F101RC, STM32F101RD, STM32F101RE, STM32F101T4, STM32F101T6, STM32F101T8, STM32F101V8, STM32F101VB, STM32F101VC, STM32F101VD, STM32F101VE, STM32F101ZC, STM32F101ZD, STM32F101ZE, STM32F102C4, STM32F102C6, STM32F102C8, STM32F102CB, STM32F102R4, STM32F102R6, STM32F102R8, STM32F102RB, STM32F103C4, STM32F103C6, STM32F103C8, STM32F103CB, STM32F103R4, STM32F103R6, STM32F103R8, STM32F103RB, STM32F103RC, STM32F103RD, STM32F103RE, STM32F103T4, STM32F103T6, STM32F103T8, STM32F103V8, STM32F103VB, STM32F103VC, STM32F103VD, STM32F103VE, STM32F103ZC, STM32F103ZD, STM32F103ZE, STM32F105R8, STM32F105RB, STM32F105RC, STM32F105V8, STM32F105VB, STM32F105VC, STM32F107RB, STM32F107RC, STM32F107VB, STM32F107VC
NXP	LH75400, LH75401, LH75410, LH75411, LH79520, LH79524, LH79525, LH7A400, LH7A404, LPC1102UK, LPC1111/101, LPC1111/102, LPC1111/201, LPC1111/202, LPC1112/101, LPC1112/102, LPC1112/201, LPC1112/202, LPC1113/201, LPC1113/202, LPC1113/301, LPC1113/302, LPC1114/201, LPC1114/202, LPC1114/301, LPC1114/302, LPC11C12/301, LPC11C14/301, LPC11C22/301, LPC11C24/301, LPC11U12/201, LPC11U13/201, LPC11U14/201, LPC1224/101, LPC1224/121, LPC1225/301, LPC1225/321, LPC1226/301, LPC1227/301, LPC1311, LPC1311/01, LPC1313, LPC1313/01, LPC1342, LPC1343, LPC1751, LPC1752, LPC1754, LPC1756, LPC1758, LPC1759, LPC1763, LPC1764, LPC1765, LPC1766, LPC1767, LPC1768, LPC1769, LPC1774, LPC1776, LPC1777, LPC1778, LPC1785, LPC1786, LPC1787, LPC1788, LPC1810, LPC1820, LPC1830, LPC1850, LPC2101, LPC2102, LPC2103, LPC2104, LPC2104/01, LPC2105, LPC2105/01, LPC2106, LPC2106/01, LPC2109, LPC2109/01, LPC2114, LPC2114/01, LPC2119, LPC2119/01, LPC2124, LPC2124/01, LPC2129, LPC2129/01, LPC2131, LPC2131/01, LPC2132, LPC2132/01, LPC2134, LPC2134/01, LPC2136, LPC2136/01, LPC2138, LPC2138/01, LPC2141, LPC2142, LPC2144, LPC2146, LPC2148, LPC2194, LPC2194/01, LPC2210, LPC2210/01, LPC2212, LPC2212/01, LPC2214, LPC2214/01, LPC2220, LPC2290, LPC2290/01, LPC2292, LPC2292/01, LPC2294, LPC2294/01, LPC2361, LPC2362, LPC2364, LPC2365,

	LPC2366, LPC2367, LPC2368, LPC2377, LPC2378, LPC2387, LPC2388, LPC2420, LPC2458, LPC2460, LPC2468, LPC2470, LPC2478, LPC2880, LPC2888, LPC2917, LPC2917/01, LPC2919, LPC2919/01, LPC2921, LPC2923, LPC2925, LPC2926, LPC2927, LPC2929, LPC2930, LPC2939, LPC3130, LPC3131, LPC3141, LPC3143, LPC3152, LPC3154, LPC3180, LPC3220, LPC3230, LPC3240, LPC3250, SJA2010
SAMSUNG	S3C2410A, S3C2440A, S3C44B0X, S3C4510B, S3F4A0KR, S3F4A1HR, S3F4A2FR, S3FM02G
ATMEL	AT91C140, AT91F40416, AT91F40816, AT91FR40162, AT91FR4042, AT91FR4081, AT91M40400, AT91M40800, AT91M40807, AT91M42800A, AT91M43300, AT91M55800A, AT91M63200, AT91R40008, AT91R40807, AT91RM3400, AT91RM9200, AT91SAM3S1A, AT91SAM3S1B, AT91SAM3S1C, AT91SAM3S2A, AT91SAM3S2B, AT91SAM3S2C, AT91SAM3S4A, AT91SAM3S4B, AT91SAM3S4C, AT91SAM3U1C, AT91SAM3U1E, AT91SAM3U2C, AT91SAM3U2E, AT91SAM3U4C, AT91SAM3U4E, AT91SAM7A1, AT91SAM7A2, AT91SAM7A3, AT91SAM7L128, AT91SAM7L64, AT91SAM7S128, AT91SAM7S16, AT91SAM7S161, AT91SAM7S256, AT91SAM7S32, AT91SAM7S321, AT91SAM7S512, AT91SAM7S64, AT91SAM7SE256, AT91SAM7SE32, AT91SAM7SE512, AT91SAM7X128, AT91SAM7X256, AT91SAM7X512, AT91SAM7XC128, AT91SAM7XC256, AT91SAM7XC512, AT91SAM9260, AT91SAM9261, AT91SAM9261S, AT91SAM9263, AT91SAM9G10, AT91SAM9G20, AT91SAM9G45, AT91SAM9M10, AT91SAM9R64, AT91SAM9RL64, AT91SAM9XE128, AT91SAM9XE256, AT91SAM9XE512, SAM3N1A, SAM3N1B, SAM3N1C, SAM3N2A, SAM3N2B, SAM3N2C, SAM3N4A, SAM3N4B, SAM3N4C
TI	TMS470R1A128, TMS470R1A256, TMS470R1A288, TMS470R1A384, TMS470R1A64, TMS470R1B1M, TMS470R1B512, TMS470R1B768
Freescale	MAC7101, MAC7104, MAC7105, MAC7106, MAC7111, MAC7112, MAC7114, MAC7115, MAC7116, MAC7121, MAC7122, MAC7124, MAC7125, MAC7126, MAC7131, MAC7134, MAC7135, MAC7136, MAC7141, MAC7142, MAC7144, MC9328MX21, MCIMX27, MCIMX27L, MK10N512VMD100, MK10X128VMD100, MK10X256VMD100, MK20N512VMD100, MK20X128VMD100, MK20X256VMD100, MK30N512VMD100, MK30X128VMD100, MK30X256VMD100, MK40N512VMD100, MK40X128VMD100, MK40X256VMD100, MK50N512CMD100, MK51N512CMD100, MK52N512CMD100, MK53N512CMD100, MK60N512VMD100, MK60X256VMD100
OKI	ML674000, ML674001, ML674002, ML674003, ML675001, ML675002, ML675003, ML675011, ML67Q4050, ML67Q4051, ML67Q4060, ML67Q4061, ML67Q5250, ML67Q5260, ML696201, ML69Q6203
ANALOG DEVICES	ADuC7019, ADuC7020, ADuC7021, ADuC7022, ADuC7023, ADuC7024, ADuC7025, ADuC7026, ADuC7027, ADuC7028, ADuC7030, ADuC7032, ADuC7033, ADuC7034, ADuC7036, ADuC7037, ADuC7038, ADuC7039, ADuC7060, ADuC7061, ADuC7062, ADuC7122, ADuC7128, ADuC7129, ADuC7229
LUMINARY	LM3S101, LM3S102, LM3S1110, LM3S1133, LM3S1138, LM3S1150, LM3S1162, LM3S1165, LM3S1166, LM3S1332, LM3S1435, LM3S1439, LM3S1512, LM3S1538, LM3S1601, LM3S1607, LM3S1608, LM3S1620, LM3S1621, LM3S1625, LM3S1626, LM3S1627, LM3S1635, LM3S1636, LM3S1637, LM3S1651, LM3S1751, LM3S1776, LM3S1811, LM3S1816, LM3S1850, LM3S1911, LM3S1918, LM3S1937, LM3S1958, LM3S1960, LM3S1968, LM3S1969, LM3S1B21, LM3S1J11, LM3S1J16, LM3S1N11, LM3S1N16, LM3S1P51, LM3S1R21, LM3S1R26, LM3S1W16, LM3S1Z16, LM3S2110, LM3S2139, LM3S2276, LM3S2410, LM3S2412, LM3S2432, LM3S2533, LM3S2601, LM3S2608, LM3S2616, LM3S2620, LM3S2637, LM3S2651, LM3S2671, LM3S2678, LM3S2730, LM3S2739, LM3S2776, LM3S2793, LM3S2911, LM3S2918, LM3S2919, LM3S2939, LM3S2948, LM3S2950, LM3S2965, LM3S2B93, LM3S300, LM3S301, LM3S308, LM3S310, LM3S315, LM3S316, LM3S317, LM3S328, LM3S3634, LM3S3651, LM3S3739, LM3S3748, LM3S3749, LM3S3826, LM3S3J26, LM3S3N26, LM3S3W26, LM3S3Z26, LM3S5632, LM3S5651, LM3S5652, LM3S5656, LM3S5662, LM3S5732, LM3S5737, LM3S5739, LM3S5747, LM3S5749, LM3S5752, LM3S5762, LM3S5791, LM3S5951, LM3S5956, LM3S5B91, LM3S5K31, LM3S5K36, LM3S5P31, LM3S5P36, LM3S5P51, LM3S5P56, LM3S5R31, LM3S5R36, LM3S5T36, LM3S5Y36, LM3S600, LM3S601, LM3S608, LM3S610, LM3S6100, LM3S611, LM3S6110, LM3S612, LM3S613, LM3S615, LM3S617, LM3S618, LM3S628, LM3S6420, LM3S6422, LM3S6432, LM3S6537, LM3S6610, LM3S6611, LM3S6618, LM3S6633, LM3S6637, LM3S6730, LM3S6753, LM3S6911, LM3S6918, LM3S6938, LM3S6950, LM3S6952, LM3S6965, LM3S800, LM3S801, LM3S808, LM3S811, LM3S812, LM3S815, LM3S817, LM3S818,

	LM3S828, LM3S8530, LM3S8538, LM3S8630, LM3S8730, LM3S8733, LM3S8738, LM3S8930, LM3S8933, LM3S8938, LM3S8962, LM3S8970, LM3S8971, LM3S9781, LM3S9790, LM3S9792, LM3S9997, LM3S9B81, LM3S9B90, LM3S9B92, LM3S9B95, LM3S9B96, LM3S9L97
MICROSEMI	A2F200M3F, A2F500M3G, COREMP7, Cortex-M1
CIRRUS LOGIC	CS740110-IQZ, CS740120-IQZ, CS740130-IQZ
EMBER	EM351, EM357
ENERGY	EFM32G200F16, EFM32G200F32, EFM32G200F64, EFM32G210F128, EFM32G230F128, EFM32G230F32, EFM32G230F64, EFM32G280F128, EFM32G280F32, EFM32G280F64, EFM32G290F128, EFM32G290F32, EFM32G290F64, EFM32G840F128, EFM32G840F32, EFM32G840F64, EFM32G880F128, EFM32G880F32, EFM32G880F64, EFM32G890F128, EFM32G890F32, EFM32G890F64, EFM32TG108F16, EFM32TG108F32, EFM32TG108F4, EFM32TG108F8, EFM32TG110F16, EFM32TG110F32, EFM32TG110F4, EFM32TG110F8, EFM32TG210F16, EFM32TG210F32, EFM32TG210F8, EFM32TG230F16, EFM32TG230F32, EFM32TG230F8, EFM32TG840F16, EFM32TG840F32, EFM32TG840F8
FUJITSU	MB9AF102N, MB9AF102R, MB9AF104N, MB9AF104R, MB9AF112L, MB9AF112M, MB9AF112N, MB9AF114L, MB9AF114M, MB9AF114N, MB9AF115M, MB9AF115N, MB9AF116M, MB9AF116N, MB9AF312L, MB9AF312M, MB9AF312N, MB9AF314L, MB9AF314M, MB9AF314N, MB9AF315M, MB9AF315N, MB9AF316M, MB9AF316N, MB9BF104N, MB9BF104R, MB9BF105N, MB9BF105R, MB9BF106N, MB9BF106R, MB9BF304N, MB9BF304R, MB9BF305N, MB9BF305R, MB9BF306N, MB9BF306R, MB9BF404N, MB9BF404R, MB9BF405N, MB9BF405R, MB9BF406N, MB9BF406R, MB9BF504N, MB9BF504R, MB9BF505N, MB9BF505R, MB9BF506N, MB9BF506R
HOLTEK	HT32F1251, HT32F1251B, HT32F1252, HT32F1253
NUVOTON	M0516LAN, M0516ZAN, M052LAN, M052ZAN, M054LAN, M054ZAN, M058LAN, M058ZAN, NUC100LC1AN, NUC100LD1AN, NUC100LD2AN, NUC100LD3AN, NUC100LE3AN, NUC100RC1AN, NUC100RD1AN, NUC100RD2AN, NUC100RD3AN, NUC100RE3AN, NUC100VD2AN, NUC100VD3AN, NUC100VE3AN, NUC101LC1AN, NUC101LD2AN, NUC101LE3AN, NUC101RC1AN, NUC101RD2AN, NUC101RE3AN, NUC101VC1AN, NUC101VD2AN, NUC101VE3AN, NUC120LC1AN, NUC120LD1AN, NUC120LD2AN, NUC120LD3AN, NUC120LE3AN, NUC120RC1AN, NUC120RD1AN, NUC120RD2AN, NUC120RD3AN, NUC120RE3AN, NUC120VD2AN, NUC120VD3AN, NUC120VE3AN, NUC122LC1AN, NUC122LD2AN, NUC122SC1AN, NUC122SD2AN, NUC122ZC1AN, NUC122ZD2AN, NUC130LD2AN, NUC130LD3AN, NUC130LE3AN, NUC130RD2AN, NUC130RD3AN, NUC130RE3AN, NUC130VD2AN, NUC130VD3AN, NUC130VE3AN, NUC140LD2AN, NUC140LD3AN, NUC140LE3AN, NUC140RD2AN, NUC140RD3AN, NUC140RE3AN, NUC140VD2AN, NUC140VD3AN, NUC140VE3AN, NUC710, NUC740, NUC745
ROHM	BU1511KV2
SOCTE	PC7130, PC7230
TOSHIBA	TMPA900CMXBG, TMPA910CRAXBG, TMPM321F10FG, TMPM324F10FG, TMPM330FDFG, TMPM330FWFG, TMPM330FYFG, TMPM332FWUG, TMPM333FDFG, TMPM333FWFG, TMPM333FYFG, TMPM341FDXBG, TMPM360F20FG, TMPM361F10FG, TMPM362F10FG, TMPM363F10FG, TMPM364F10FG, TMPM370FYDFG, TMPM370FYFG, TMPM372FWUG, TMPM373FWDUG, TMPM374FWUG, TMPM380FWDFG, TMPM380FWFG, TMPM380FYDFG, TMPM380FYFG, TMPM382FSFG, TMPM382FWFG, TMPM390FWFG, TMPM395FWAXBG
	AS3525
ZILOG	ZA9L