

ULINK2 – аппаратный адаптер USB-JTAG интерфейса. Соединяет USB порт персонального компьютера с JTAG или OCDS отладочным портом разрабатываемого изделия. ULINK2 позволяет программировать Flash-память микроконтроллера через JTAG-интерфейс. Поддерживаемые ядра: ARM7, ARM9, Cortex-M3, XC16x и μ PSD.



Отличительные особенности:

- внутрисхемная отладка, используя JTAG, SWD (Serial Wire Debug) или OCDS интерфейсы;
- величина JTAG-тактовой частоты – до 1МГц;
- ARM-архитектура;
- скорость записи/чтения памяти - 28 кБ/с;
- скорость записи/чтения FLASH – 15 кБ/с;
- быстроедействие в пошаговом режиме – 50 инструкций в секунду;
- стандартный JTAG-разъём на 20 выводов;
- работа с ULINK Embedded ICE и μ Vision Simulation программными средами.

Комплектация:

- JTAG-адаптер ULINK2;
 - CD с ПО и описаниями;
 - USB кабель.
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- Список поддерживаемых микросхем
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- **Actel** (ARM7/ARM9/Cortex Family)
COREMP7, Cortex-M1
 - **Analog Devices** (ARM7/ARM9/Cortex Family)
ADuC7019, ADuC7020, ADuC7021, ADuC7022, ADuC7024, ADuC7025, ADuC7026, ADuC7027, ADuC7028, ADuC7030, ADuC7032, ADuC7033, ADuC7034, ADuC7036, ADuC7037, ADuC7038, ADuC7039, ADuC7060, ADuC7061, ADuC7062, ADuC7128, ADuC7129, ADuC7229
 - **ARM** (ARM7/ARM9/Cortex Family)
Cortex-M0, Cortex-M1 (Altera), Cortex-M3
 - **Atmel** (ARM7/ARM9/Cortex Family)
AT91C140, AT91F40416, AT91F40816, AT91FR40162, AT91FR4042, AT91FR4081, AT91M40400, AT91M40800, AT91M40807, AT91M42800A, AT91M43300, AT91M55800A, AT91M63200, AT91R40008, AT91R40807, AT91RM3400, AT91RM9200, 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, AT91SAM9R64, AT91SAM9RL64,
AT91SAM9XE128, AT91SAM9XE256, AT91SAM9XE512

- **AustriaMicroSystems** (ARM7/ARM9/Cortex Family)
AS3525
- **Cirrus Logic** (ARM7/ARM9/Cortex Family)
CS740110-IQZ, CS740120-IQZ, CS740130-IQZ
- **Ember** (ARM7/ARM9/Cortex Family)
EM351, EM357
- **Energy Micro** (ARM7/ARM9/Cortex Family)
EFM32G200F16, EFM32G200F32, EFM32G200F64, EFM32G210F128,
EFM32G230F128, EFM32G230F32, EFM32G230F64, EFM32G280F128,
EFM32G280F32, EFM32G280F64, EFM32G290F128, EFM32G290F32, EFM32G290F64,
EFM32G840F128, EFM32G840F32, EFM32G840F64, EFM32G880F128,
EFM32G880F32, EFM32G880F64, EFM32G890F128, EFM32G890F32, EFM32G890F64
- **Freescale Semiconductor** (ARM7/ARM9/Cortex Family)
MAC7101, MAC7104, MAC7105, MAC7106, MAC7111, MAC7112, MAC7114,
MAC7115, MAC7116, MAC7121, MAC7122, MAC7124, MAC7125, MAC7126,
MAC7131, MAC7134, MAC7135, MAC7136, MAC7141, MAC7142, MAC7144,
MC9328MX21, MCIMX27, MCIMX27L
- **Infineon** (8051 Family)
TLE7809, TLE7810, TLE7824, TLE7826, XC866-1FR, XC866-2FR, XC866-4FR,
XC866L-1FR, XC866L-2FR, XC866L-4FR, XC878CM-13FF, XC878CM-16FF, XC886-
6FF, XC886-8FF, XC886C-6FF, XC886C-8FF, XC886CLM-6FF, XC886CLM-8FF,
XC886CM-6FF, XC886CM-8FF, XC886LM-6FF, XC886LM-8FF, XC888-6FF, XC888-
8FF, XC888C-6FF, XC888C-8FF, XC888CLM-6FF, XC888CLM-8FF, XC888CM-6FF,
XC888CM-8FF, XC888LM-6FF, XC888LM-8FF
- **Infineon** (C16x/ST10/XC16x Family)
C161U, C165 UTAH, C165H, XC161CJ-16F, XC161CS-32F, XC164CM-16F, XC164CM-
4F, XC164CM-8F, XC164CS-16F, XC164CS-16R, XC164CS-32F, XC164CS-32R,
XC164CS-8F, XC164CS-8R, XC164D-16F, XC164D-32F, XC164LM-8F, XC164S-32F,
XC164SM-4F, XC164SM-8F, XC164TM-4F, XC164TM-8F, XC167CI-16F, XC167CI-
32F, XC2264-56F, XC2264-72F, XC2264-96F, XC2267-56F, XC2267-72F, XC2267-96F,
XC2285-56F, XC2285-72F, XC2285-96F, XC2286-56F, XC2286-72F, XC2286-96F,
XC2287-56F, XC2287-72F, XC2287-96F, XC2365-48F, XC2365-56F, XC2365-72F,
XC2387-72F, XC2765X-96F, XC2786X-96F, XE164F-24F, XE164F-48F, XE164F-72F,
XE164F-96F, XE164G-24F, XE164G-48F, XE164G-72F, XE164G-96F, XE164H-24F,
XE164H-48F, XE164H-72F, XE164H-96F, XE164K-24F, XE164K-48F, XE164K-72F,
XE164K-96F, XE167F-48F, XE167F-72F, XE167F-96F, XE167G-48F, XE167G-48F,
XE167G-72F, XE167G-96F, XE167H-48F, XE167H-72F, XE167H-96F, XE167K-48F,
XE167K-72F, XE167K-96F
- **Luminary Micro** (ARM7/ARM9/Cortex Family)
LM3S101, LM3S102, LM3S1110, LM3S1133, LM3S1138, LM3S1150, LM3S1162,
LM3S1165, LM3S1332, LM3S1435, LM3S1439, LM3S1512, LM3S1538, LM3S1601,
LM3S1607, LM3S1608, LM3S1620, LM3S1625, LM3S1626, LM3S1627, LM3S1635,
LM3S1637, LM3S1751, LM3S1776, LM3S1811, LM3S1816, LM3S1850, LM3S1911,
LM3S1918, LM3S1937, LM3S1958, LM3S1960, LM3S1968, LM3S1J11, LM3S1J16,
LM3S1N11, LM3S1N16, LM3S1W16, LM3S1Z16, LM3S2110, LM3S2139, LM3S2276,
LM3S2410, LM3S2412, LM3S2432, LM3S2533, LM3S2601, LM3S2608, LM3S2616,
LM3S2620, LM3S2637, LM3S2651, LM3S2671, LM3S2678, LM3S2730, LM3S2739,
LM3S2776, LM3S2793, LM3S2911, LM3S2918, LM3S2939, LM3S2948, LM3S2950,

LM3S2965, LM3S2B93, LM3S300, LM3S301, LM3S308, LM3S310, LM3S315,
LM3S316, LM3S317, LM3S328, LM3S3651, LM3S3739, LM3S3748, LM3S3749,
LM3S3759, LM3S3768, LM3S3826, LM3S3J26, LM3S3N26, LM3S3W26, LM3S3Z26,
LM3S5632, LM3S5651, LM3S5652, LM3S5656, LM3S5662, LM3S5732, LM3S5737,
LM3S5739, LM3S5747, LM3S5749, LM3S5752, LM3S5757, LM3S5762, LM3S5767,
LM3S5768, LM3S5769, 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, LM3S9790, LM3S9792, LM3S9997, LM3S9B90,
LM3S9B92, LM3S9B95, LM3S9B96, LM3S9L97

- **Nuvoton** (ARM7/ARM9/Cortex Family)
W90N740, W90N745, W90P710
- **NXP (founded by Philips)** (ARM7/ARM9/Cortex Family)
LH75400, LH75401, LH75410, LH75411, LH79520, LH79524, LH79525, LH7A400,
LH7A404, LPC1111x101, LPC1111x201, LPC1112x101, LPC1112x201, LPC1113x201,
LPC1113x301, LPC1114x201, LPC1114x301, LPC1311, LPC1313, LPC1342, LPC1343,
LPC1751, LPC1752, LPC1754, LPC1756, LPC1758, LPC1764, LPC1765, LPC1766,
LPC1767, LPC1768, 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, LPC2927, LPC2929, LPC2930, LPC2939, LPC3130, LPC3131,
LPC3141, LPC3143, LPC3152, LPC3154, LPC3180, LPC3220, LPC3230, LPC3240,
LPC3250, SJA2010
- **OKI** (ARM7/ARM9/Cortex Family)
ML674000, ML674001, ML674002, ML674003, ML675001, ML675002, ML675003,
ML675011, ML67Q4050, ML67Q4051, ML67Q4060, ML67Q4061, ML67Q5250,
ML696201, ML69Q6203
- **Samsung** (ARM7/ARM9/Cortex Family)
S3C2410A, S3C2440A, S3C44B0X, S3C4510B, S3F4A0KR, S3F4A1HR, S3F4A2FR
- **Socle Technology Corp.** (ARM7/ARM9/Cortex Family)
PC7130, PC7230
- **STMicroelectronics** (8051 Family)
uPSD3212A, uPSD3212C, uPSD3212CV, uPSD3233B, uPSD3233BV, uPSD3234A,
uPSD3234BV, uPSD3253B, uPSD3253BV, uPSD3254A, uPSD3254BV, uPSD3312D,
uPSD3312DV, uPSD3333D, uPSD3333DV, uPSD3334D, uPSD3334DV, uPSD3354D,
uPSD3354DV, uPSD3422E, uPSD3422EV, uPSD3433E, uPSD3433EV, uPSD3434E,
uPSD3434EV, uPSD3454E, uPSD3454EV
- **STMicroelectronics** (ARM7/ARM9/Cortex Family)
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](#), [STR710FZ1](#), [STR710FZ2](#),
[STR711FR0](#), [STR711FR1](#), [STR711FR2](#), [STR712FR0](#), [STR712FR1](#), [STR712FR2](#),
[STR715FR0](#), [STR730FZ1](#), [STR730FZ2](#), [STR731FV0](#), [STR731FV1](#), [STR731FV2](#),
[STR735FZ1](#), [STR735FZ2](#), [STR736FV0](#), [STR736FV1](#), [STR750FL2](#), [STR750FV0](#),
[STR750FV1](#), [STR750FV2](#), [STR751FR0](#), [STR751FR1](#), [STR751FR2](#), [STR752FR0](#),
[STR752FR1](#), [STR752FR2](#), [STR755FR0](#), [STR755FR1](#), [STR755FR2](#), [STR755FV0](#),
[STR755FV1](#), [STR755FV2](#), [STR910FAM32](#), [STR910FAW32](#), [STR910FAZ32](#),
[STR910FM32](#), [STR910FW32](#), [STR911FAM42](#), [STR911FAM44](#), [STR911FAM46](#),
[STR911FAM47](#), [STR911FAW42](#), [STR911FAW44](#), [STR911FAW46](#), [STR911FAW47](#),
[STR911FM42](#), [STR911FM44](#), [STR912FAW42](#), [STR912FAW44](#), [STR912FAW46](#),
[STR912FAW47](#), [STR912FAZ42](#), [STR912FAZ44](#), [STR912FAZ46](#), [STR912FAZ47](#),
[STR912FW42](#), [STR912FW44](#)

- **Texas Instruments** (ARM7/ARM9/Cortex Family)
[TMS470R1A128](#), [TMS470R1A256](#), [TMS470R1A288](#), [TMS470R1A384](#), [TMS470R1A64](#),
[TMS470R1B1M](#), [TMS470R1B512](#), [TMS470R1B768](#)
- **Toshiba** (ARM7/ARM9/Cortex Family)
[TMPA900CMXBG](#), [TMPA910CRAXBG](#), [TMPM330FDFG](#), [TMPM330FWFG](#),
[TMPM330FYFG](#)
- **Zilog** (ARM7/ARM9/Cortex Family)
[ZA9L](#)