

MAJIC Supported Cores and Processors

| Key: | All MAJIC Probes | Support <u>all</u> of the processors listed and include memory test and flash programming utilities, pre-configured startup and target initialization files | | | | | |
|---|--------------------------|---|---|---|------------------------------------|--|------|
| | MAJIC-LT | Supports EDGE and linux/GNU/GDB via MDI and/or MDIserver, 10 MHz JTAG, +3.3V targets, run-control | | | | | |
| | MAJIC-LX | Includes OpenDebug software for all supported environments, programmable JTAG clock 0 to 40 MHz, auto power sense for target I/O from 1.2V to 3.3V | | | | | |
| | MAJIC-MT | Supports all LX features, plus Trace upload for the Intel XScale microarchitecture, and multiple debug connections for Multi-core | | | | | |
| | Releases | Highlights processor support added in latest EDT Release 2.4a | | | | | |
| | SP | Highlights Service Pack releases for processor support added after the latest the latest production release | | | | | |
| | (blank) | Blank fields for Release and Cable indicate processor is on the roadmap but support is not released (call sales) | | | | | |
| Source | Processor or SOC Type | CPU Core | Evaluation Board or Reference Platform | Validation by V = MGC v = IC or OEM | First Available in Release Version | Reference Board uses JTAG Cable | |
| ARM cores | Licensee ASIC or ASSP | 7EJ-S | OEM Target | v | 2.4a | See processor vendor reference platform documentation. Usually CK-ARM20. | |
| | | 7TDMI | Evaluator-7T, and ARM Integrator family | V | <1.1 | | |
| | | 7TDMI-S | | V | 1.1 | | |
| | | 720T | | V | <1.1 | | |
| | | 9TDMI | | V | <1.1 | | |
| | | 9E-S | | V | <1.1 | | |
| | | 920T | | V | <1.1 | | |
| | | 922T | | V | 1.1 | | |
| | | 926EJ-S | | V | 2.1a | | |
| | | 940T | | V | <1.1 | | |
| | | 946E-S | | V | 1.1 | | |
| | | 966E-S | | V | <1.1 | | |
| | | 968E-S | | V | 2.2 | | |
| | | 1136J(F)-S | | ARM Core Module i.MX31ADS OMAP2430 | V | | 2.4a |
| | | 1156T2(F)-S | | ARM Integrator | V | | 2.4a |
| 1176JZ(F)-S | Samsung | V | 2.4a | | | | |
| ARM11 MPcore | ARM Emulation board | V | 2.4a | | | | |
| Altera | EPXA1 EXPA4 EXPA10 | ARM 922T | EXPA Dev. Kits | V | 1.1 | CK-ARM38/1 | |
| Analog Devices (Product line acquired by Ikanos) | AD6489 | Lexra 4180 & 4189 | ADSL Router, Residential Gateway | V | 2.0a | CK-EJ12 or CK-EJ52 | |
| | AD6680 | | | v | | | |
| | AD6681 | | | v | | | |
| | AD6834 | | | v | | | |
| | AD6843 | | | v | | | |
| | AD6844 | | | v | | | |
| | AD6846 | | | v | | | |
| AD6847 | v | | | | | | |
| ATI Technologies, Inc | Xileon 220 Xileon 225 | MIPS 4Kc | Xileon Set Top Wonder STB platform | V | 2.0b | CK-MIPS14 | |



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|----------|---------------------------------------|------------------------------|--|---|------------------------------------|---------------------------------|-------------------|
| Atmel | ATR0620 | ARM7TDMI | | v | <1.1 | CK-ARM20 | |
| | AT91M55800A | | AT91EB55 | V | | CK-ARM20 | |
| | AT91R40807 | | | | | | |
| | AT91RM9200 | ARM 920T | AT91RM9200-EK | V, v | 2.3b | CK-ARM20 or CK-ARM38/1 | |
| | AT91RM926x | ARM 926EJ-S | (dev) | | | | |
| | AT91SAM7 | ARM7TDMI-S | | | | | |
| Broadcom | BCM1100 | BMIPS32 (MIPS Arch. Lic.) | BCM91100 VOIP Phone | V | <1.1 | CK-J10 | |
| | BCM1101 | | BCM91101 IP Phone | V | 2.0b | CK-J12 | |
| | BCM3310 | | DOCSIS Cable Modems | V, v | <1.1 | CK-EJ28 | |
| | BCM3310B | | | V, v | <1.1 | CK-EJ28 | |
| | BCM3345 | | | V, v | 1.1 | CK-J10 | |
| | BCM3349 | | | V | 2.3a | CK-J10 | |
| | BCM3350 | | | V, v | 1.1 | CK-J10 | |
| | BCM3352 | | | V, v | <1.1 | CK-EJ28 | |
| | BCM3360 | | | V, v | 1.1 | CK-J10 | |
| | BCM4320 | | | WLAN | V, v | 2.2a | CK-J12 |
| | BCM4702 | | Wireless Network Routers | V, v | 2.0b | CK-J12 | |
| | BCM4704 | | | V, v | 2.1a | CK-J10 | |
| | BCM4710 | | | V, v | 2.0a | CK-J12 | |
| | BCM4712 | | | V, v | 2.1c | CK-J12 | |
| | BCM4780 | | NAS | V, v | 2.2a | CK-EJ12 | |
| | BCM4785 | | | V, v | 2.3b | CK-EJ12 | |
| | BCM5350 | | | V, v | 2.2a | CK-J12 | |
| | BCM5352 | | | V, v | 2.3b | CK-J12 | |
| | BCM5354 | | V, v | 2.4a | CK-J12 | | |
| | BCM5365 | | Secure Routers | V | 2.1a | CK-J12 | |
| | BCM5834 | | | V | 2.1a | CK-J12 | |
| | BCN5836 | | | V | 2.3b | CK-J10 | |
| | BCM6338 | | DSL CPE Modems | V, v | 2.4a | CK-J12 | |
| | BCM6345 | | | V, v | 2.0b | CK-J12 | |
| | BCM6348 | | | V, v | 2.1a | CK-J12 | |
| | BCM6358 | | | V, v | 2.4a | CK-J12 | |
| | BCM6352 | | | V, v | 1.1 | CK-EJ28 | |
| | BCM6550A | | DSL CO Proc | V, v | 2.3b + SP | CK-J12 | |
| | BCM7038 | | MIPS64 5Kf | Digital TV | V | 2.3b | CK-MIPS14 |
| | BCM7100 | | BMIPS32 (MIPS Arch. Lic.) | Cable Set-Top Box | V, v | 1.1 | CK-J10 CK-EJ28 |
| | BCM7112 | | | | V, v | 2.1a | CK-MIPS14 |
| | BCM7115 | | | | V, v | 2.1a | CK-MIPS14 |
| | BCM7312 | | | Satellite Set-Top Box | V | 2.3b | CK-MIPS14 |
| | BCM7315 | | | | V | 2.1a | CK-MIPS14 |
| BCM7320 | MIPS64 5Kf | V | | | 2.3b | CK-MIPS14 | |
| BCM7400 | BMIPS Viper 4350 (MIPS Arch. Lic.) | HDTV/SDTV Processor | | | | | |
| BCM7401 | BMIPS32 (MIPS Arch. Lic.) | | V | 2.4a | CK-MIPS14 | | |
| BCM7402 | | | | | | | |



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|-----------------------------|-----------------------|------------------|--|---|------------------------------------|---------------------------------|
| Cavium Networks | CN200 | MIPS 4Km | Multi Service Processors | V, v | 2.0a | CK-MIPS14 |
| | CN201 | | | | | |
| | CN210 | | | | | |
| | CN220 | | | | | |
| | CN225 | | | | | |
| | | OCTEON CN30/31xx | cnMIPS core (MIPS Arch. Lic.) | Secure Network Processors | V, v | 2.3b |
| | OCTEON CN36/38xx | V, v | | | 2.3b | CK-MIPS14 |
| Cirrus Logic | Many types | ARM7TDMI | various | v | <1.1 | CK-ARM20 |
| | EP9301 | | | | | |
| | EP9312 | | | | | |
| | EP9315 | | | | | |
| Conexant | CX84200 | ARM 7TDMI | various | V, v | <1.1 | CK-ARM20 |
| | CN9414 | | | | | |
| | CX224xx | | | | | |
| | CX82xxx | | | | | |
| | | CX86111 | ARM 926EJ-S | Old Faithful | V, v | >2.0b |
| Conexant (Globespan-Virata) | Helium100 | ARM 7TDMI (x2) | various | V | <1.1 | CK-ARM20 |
| | Helium 200 | | | | | |
| | Helium 210-80 | | | | | |
| | | Helium 500 | ARM 920T & ARM 966E-S | Helium 500 Reference Platform | V, v | 2.0b |
| Faraday | SOCs | FA526 | CPE110 | V, v | 2.1c | CK-AM20 |
| Freescale | MC9328MX1 i.MX1 | ARM 920T | i.MX1 ADS | V | 2.2a | CK-ARM20 |
| | | | | | | CK-ARM38/1 |
| | MC9328MXL i.MXL | ARM 920T | i.MXL ADS | V | | CK-ARM20 |
| | | | | | | CK-ARM38/1 |
| | MC9328MX271 i.MX21 | ARM926EJ-S | i.MX21 ADS | V | 2.3a | CK-ARM20 |
| MC9328MX27 i.MX27 | ARM926EJ-S | i.MX27ADS | | | | |
| | MCIMX31 i.MX31 | ARM1136JF-S | i.M31 ADS | V | 2.4a | CK-ARM20 |
| IDT | RC323xx | MIPS32 Arch | various | V, v | <1.1 | CK-IDT24 |
| | RC3243x | MIPS 4Kc | 79EB438 | V, v | | CK-MIPS14 |
| Infineon | Danube | dual 24KE | | | | CK-MIPS14 |
| | Twin Pass | | | | | |
| Infineon (ADMtek) | ADM5120 | MIPS 4Kc | | V | 2.3a | CK-MIPS14 |



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| Intel | 80200 | XScale (Note 3) (ARM Arch. Lic.) | Cyclone, ADI EVB & BRH | V, v | 1.1 | CK-ARM20 |
| | 80219 | | Emb. Planet EP80219 | V, v | 2.2a | |
| | 80321 | | iq80321 Verde | V, v | 2.0a | |
| | 80331 | | iq80331 Lindsay | V, v | 2.1a | |
| | 80332 | | iq80332 Dobson | V, v | 2.1a | |
| | 80333 | | iq80333 BlackStone | V, v | SP | |
| | IXC1100 | | IXDB425 Richfield | V | 2.0a | |
| | IXP420 | | | V, v | 2.1a | |
| | IXP421 | | | V, v | 2.1a | |
| | IXP422 | | | v | 2.1a | |
| | IXP425 | | Intel IXMB425, ADI Eng. Coyote | V, v | 2.0a | |
| | IXP460 IXP465 | | Intel Azusa | V, v | 2.3a | |
| | IXP2325 IXP2350 | | ADI Eng RoadRunner | V, v | 2.3a | |
| | IXP2400 | | IXDB2400 | V | 2.1a | |
| | IXP2800 IXP2850 | | IXDP2800 | V, v | 2.1a | |
| | PXA210 | | Intel Lubbock, Accelent IDP | V | 2.0a | |
| | PXA255 | | Intel Lubbock, Accelent IDP, Cogent CSB226 | V, v | 2.0a | |
| | PXA26x | | | v | 2.1a | |
| | PXA27x | | Mainstone III | V, v | 2.1c | |
| | Monahans | | Zylonite | V, v | 2.4a | |
| Ishoni Networks (Philips) | IBE-1000 PD2xxx | LX4180 LX4189 | various | V, v | <1.1 | CK-EJ52 |
| Lexra | SOCs | LX4180 | LXB4080 FLEX10K Platform | V, v | <1.1 | CK-EJ52 |
| | | LX4189 | | | | |
| | | LX4280 | LX-PB20K | | | |
| | | LX4380 | | | | |
| | | LX5180 LX5280 | | | | |
| LSI Logic | EZ4102 EZ4103 EZ4103 | MIPS (MIPS Arch. Lic.) | BDMR 4102/4103 | V, v V, v | <1.1 | CK-EJ52 |
| | | | SC2000 STB Reference Platform | V, v | | CK-EJ38 |



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|---|--|--------------------------------|--|---|------------------------------------|---------------------------------|--|
| Marvell | Feroceon 88F5181 | Marvell MRV02 (ARM Arch. Lic.) | | V, v | 2.3a | CK-ARM20 | |
| | Monahans PXA3xx | Intel XScale (ARM Arch. Lic.) | Zylonite | V, v | 2.4a | CK-ARM20 | |
| Micrel | KS8695P | ARM922T | | | | CK-ARM20 | |
| Micronas | MDE-9500 | Lexra 4280 | Lumiere Ref. Platform | V, v | <1.1 | CK-EJ52 | |
| | VGCA | MIPS 4KEc | VGCA Platform | V, v | 2.3a | CK-MIPS14 | |
| Micronas USA (acq. WISchip) | Cypher 7108 | MIPS 4KEc | Micronas platforms | V, v | 2.3a | CK-MIPS14 | |
| | DeCypher8100 | | | | | | |
| MIPS cores | Licensee ASICs & ASSPs | 4K (c,m,p) | Malta | V, v | <1.1 | CK-MIPS14 | |
| | | 4KE (c,m,p) | Malta | V, v | 2.1a | CK-MIPS14 | |
| | | 4KSd | | | | | |
| | | M4K | | | | | |
| | | 5Kc | Malta (5Kf) | V | 1.1 | CK-MIPS14 | |
| | | 5Kf | Malta, BCM7320 | V, v | 2.0b | CK-MIPS14 | |
| | | 24Kc/Kf | Malta | V, v | 2.2a | CK-MIPS14 | |
| | | 34K | | | | | |
| NetSilicon (acq. by Digi International) | Net+ARM | ARM7TDMI | NET+ARM Dev. Board | V, v | <1.1 | CK-ARM14 | |
| | NS7520 | | | V, v | 2.1c | CK-ARM14 | |
| | NS9360 | ARM926EJ-S | NS Dev. Bd. | V, v | 2.2a | CK-ARM20 | |
| | NS9750 | | | V, v | 2.1c | CK-ARM20 | |
| Oki | ML671K ML674K ML675K | ARM7TDMI | Debug Interface Board | V | 2 | CK-ARM20 | |
| PMC-Sierra | MSP2006 | MIPS 4Km | Brecis EVM Board | V, v | 2.0a | CK-MIPS14 | |
| | MSP2015 | | | | | | |
| | MSP2020 | | | | | | |
| | MSP4000 | | | | | | |
| | MSP4200 | | | | | | |
| | MSP5000 | | | | | | |
| MSP71xx | MIPS34K | | | | | | |
| Samsung | S3C4510/20/30 S3F441FX S3F460H S5N8946/47 | ARM 7TDMI | | | <1.1 | CK-ARM20 | |
| | S3C2400/10 S3C2800 | ARM 920T | | V, v | <1.1 | | |
| | S3C2500A S3C2510 | ARM 940T | | | <1.1 | | |
| Sharp | LH75400/401 LH75410/11 | ARM 7TDMI | KEV75401 | V | <1.1 | CK-ARM20 | |
| | LH79520/524 | ARM 720T | KEV79520 | | <1.1 | CK-ARM14 | |
| | LH7A400/404 | ARM 922T | KEV7A400 | | 1.1 | CK-ARM20 | |



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| Sigma Designs | SMP8634 | 4Kc | | V, v | 2.3a | CK-MIPS14 |
| TC Applied Technologies (Wavefront) | Dice II | ARM 7TDMI | Dice II EVM | V, v | 2.3a | CK-ARM20 |
| Telechips | TCC720 | ARM940T | | V, v | 2.3a | CK-ARM20 |
| Texas Instruments (ARM) | TMS320C5470/1/2 TMS320DSC21 | ARM 7TDMI | Telocity RP | V, v | <1.1 | CK-ARM20 |
| | TMS320DM6446 | ARM926EJ-S | DaVinci | V | SP | CK-ARM20 + Adapter |
| | OMAP-310 | TI925 | | | | |
| | OMAP-710 | ARM7TDMI + TI925 | | | | |
| | OMAP-730 | ARM7TDMI + ARM926TEJ | | | | |
| | OMAP-732 | ARM7TDMI + ARM926TEJ | | | | |
| | OMAP-1510 | TI925 | OMAP1510 EVM | V, v | 1.1 | CK-ARM20 |
| | OMAP-2430 | ARM1136JF-S | | V, v | SP | CK-ARM20 |
| | OMAP-5910 | TI925 | OMAP1510 EVM | V, v | 1.1 | CK-ARM20 |
| | OMAP-5912 | ARM926EJ-S | | V | 2.3b | CK-ARM20 |
| Texas Instruments (MIPS) | TNETC4310/20 | MIPS32 4Kc | TNETC401 | | 1.1 | CK-MIPS14 |
| | TNETC4400/01 | MIPS32 4Kc | TNETC406 | | 1.1 | CK-MIPS14 |
| | TNETD5301 | MIPS32 4Kc | AR5D01 | | 1.1 | CK-MIPS14 |
| | TNETD5310 | MIPS32 4Kc | AR5V10 | | 1.1 | CK-MIPS14 |
| | TNETD5320 | MIPS32 4Kc | AR5V20 | | 1.1 | CK-MIPS14 |
| | TNETD7300 | MIPS32 4KEc | AR7 | V, v | 2.1a | CK-MIPS14 |
| Triscend | TA7S20 | ARM7TDMI | DEV-A7 | V | <1.1 | CK-ARM20 |
| Wavefront Semi | DICE II | ARM7TDMI | Dice II EVM | V, v | 2.3a | CK-ARM14 |
| Winbond | W90N740 | ARM7TDMI | Eval-740 | V, v | 2.1c | CK-ARM20 |
| Zeevo | TC2000 | ARM 7TDMI | | V, v | <1.1 | CK-ARM20 |

