



# Micron® Software Device Drivers

Compatibility Guide for Micron Software Device Drivers Available on [micron.com](http://micron.com)

MICRON SOFTWARE DEVICE DRIVER COMPATIBILITY							
Driver	Supported Devices	Density	Lithography	Product Family	Serial/Parallel	Driver Version	Last Modified
1-bit software ECC	NAND	N/A	N/A	NAND	Parallel	1.4	12/21/2009
C3 (8Mb–32Mb)	C3	8Mb–32Mb	130nm	NOR	Parallel	1.0	04/05/2005
G18 (256Mb–1Gb)	MT28GU256	256Mb	65nm	NOR	Parallel	1.0	04/13/2012
	MT28GU512	512Mb	65nm				
	MT28GU01G	1Gb	65nm				
M18 (128Mb, 1Gb)	M18	128Mb, 1Gb	65nm	NOR	Parallel	1.0	04/13/2012
J3F	PC28F320J3F75	32Mb	65nm	NOR	Parallel	1.0	12/20/2012
	PC28F640J3F75	64Mb					
	PC28F256J3F95	256Mb					
K3 (64Mb, 128Mb)	K3	64Mb, 128Mb	180nm	NOR	Parallel	1.0	04/05/2005
L18 (128Mb, 256Mb) & L30 (64Mb, 128Mb)	L18	128Mb, 256Mb	65nm	NOR	Parallel	1.0	04/05/2005
	L30	64Mb–128Mb	130nm				
Large-page SLC (1Gb, 4Gb) LLD for legacy Numonyx SLC NAND devices	NAND01G	1Gb	48nm, 70nm	NAND	Parallel	1.6	07/10/2011
	NAND04G	4Gb	57nm				
M25PE (1Mb–8Mb)	M25PE10	1Mb	110nm	NOR	Serial	1.1	10/17/2005
	M25PE20	2Mb	110nm				
	M25PE40	4Mb	110nm				
	M25PE80	8Mb	110nm				

# Product Matrix

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Driver	Supported Devices	Density	Lithography	Product Family	Serial/Parallel	Driver Version	Last Modified
<b>M25P (512Kb–64Mb)</b>	M25P05A	512Kb	110nm, 150nm	NOR	Serial	2.0	07/20/2005
	M25P10A	1Mb	110nm, 150nm				
	M25P20	2Mb	110nm, 150nm				
	M25P40	4Mb	110nm, 150nm				
	M25P80	8Mb	110nm, 150nm				
	M25P16	16Mb	110nm, 150nm				
	M25P32	32Mb	110nm, 150nm				
	M25P64	64Mb	110nm, 150nm				
<b>M25PX (32Mb)</b>	M25PX32	32Mb	110nm	NOR	Serial	1.0	11/23/2007
<b>M25PX (64Mb)</b>	M25PX64	64Mb	110nm	NOR	Serial	1.0	01/28/2013
<b>M28W E/EC (16Mb)</b>	M28W160E	16Mb	110nm	NOR	Parallel	1.0	01/09/2006
	M28W160EC	16Mb	110nm				
<b>M28W EC/FC (32Mb, 64Mb)</b>	M28W320EC	32Mb	110nm	NOR	Parallel	2.0	05/12/2011
	M28W320FC	32Mb	110nm				
	M28W640EC	64Mb	90nm				
	M28W640FC	64Mb	90nm				
<b>M29AW (512Mb)</b>	M29AW	512Mb	65nm	NOR	Parallel	1.1	05/20/2010
<b>M29DW (256Mb)</b>	M29DW256	256Mb	65nm	NOR	Parallel	1.0	01/07/2013
<b>M29DW D (32Mb)</b>	M29DW323D	32Mb	110nm	NOR	Parallel	1.3	03/05/2003
<b>M29DW F (128Mb)</b>	M29DW128F	128Mb	90nm	NOR	Parallel	1.0	05/10/2006
<b>M29DW F (64Mb)</b>	M29DW640F	64Mb	110nm	NOR	Parallel	1.0	05/10/2006
<b>M29DW F (64Mb)</b>	M29DW641F	64Mb	110nm	NOR	Parallel	1.0	05/10/2006

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## Micron Software Device Drivers

Driver	Supported Devices	Density	Lithography	Product Family	Serial/Parallel	Driver Version	Last Modified
<b>M29EW (128Mb–2Gb)</b>	M29EW128	128Mb	65nm	NOR	Parallel	1.1	07/07/2010
	M29EW256	256Mb	65nm				
	M29EW512	512Mb	65nm				
	M29EW00A	1Gb	65nm				
	M29EW00B	2Gb	65nm				
<b>M29F (2Mb–16Mb)</b>	M29F200FB	2Mb	110nm	NOR	Parallel	1.0	10/08/2009
	M29F200FB	2Mb	110nm				
	M29F200FT	4Mb	110nm				
	M29F400FB	4Mb	110nm				
	M29F400FT	4Mb	110nm				
	M29F800FB	8Mb	110nm				
	M29F800FT	8Mb	110nm				
	M29F160FB	16Mb	110nm				
	M29F160FT	16Mb	110nm				
<b>M29W D (32Mb)</b>	M29W320D	32Mb	110nm	NOR	Parallel	1.0	10/26/2001
<b>M29W D (4Mb)</b>	M29W400D	4Mb	110nm	NOR	Parallel	1.0	07/03/2003
<b>M29W D (8Mb)</b>	M29W800D	8Mb	110nm	NOR	Parallel	1.2	05/27/2003
<b>M29W E (16Mb)</b>	M29W160E	16Mb	110nm	NOR	Parallel	1.3	07/13/2009
<b>M29W E (32Mb)</b>	M29W320E	32Mb	110nm	NOR	Parallel	1.0	06/16/2006
<b>M29W F (128Mb)</b>	M29W128F	128Mb	90nm	NOR	Parallel	1.0	05/10/2006
<b>M29W F (64Mb)</b>	M29W640F	64Mb	110nm	NOR	Parallel	1.0	05/09/2006
<b>M29W G (128Mb)</b>	M29W128G	128Mb	90nm	NOR	Parallel	1.0	01/28/2008
<b>M29W G (64Mb)</b>	M29W640G	64Mb	110nm	NOR	Parallel	1.0	07/28/2006
<b>M29W G (64Mb)</b>	M29W640G	64Mb	110nm	NOR	Parallel	1.0	07/28/2006
<b>M29W G/GS (256Mb)</b>	M29W256G	256Mb	65nm	NOR	Parallel	1.0	08/06/2009
	M29W256GS	256Mb	65nm				

# Product Matrix

## Micron Software Device Drivers

Driver	Supported Devices	Density	Lithography	Product Family	Serial/Parallel	Driver Version	Last Modified
<b>M45PE (1Mb–8Mb)</b>	M45PE10	1Mb	110nm	NOR	Serial	1.0	11/08/2004
	M45PE20	2Mb	110nm				
	M45PE40	4Mb	110nm				
	M45PE80	8Mb	110nm				
<b>M58BW BB/BDB (32Mb)</b>	M58BW032BB	32Mb	110nm	NOR	Parallel	1.0	01/11/2005
	M58BW032BDB	32Mb	110nm				
<b>M58W (64Mb)</b>	M58WR064KU	64Mb	65nm	NOR	Parallel	1.0	12/20/2012
	M58WR064KL	64Mb	65nm				
<b>M68A/69A/60A (1Gb–4Gb)</b>	M68A/69A/60A	1Gb, 2Gb, 4Gb	34nm	NAND	Serial	1.0	12/28/2011
<b>MT29F NAND</b> General low-level driver for Micron ONFI-compliant SLC and MLC NAND	M60A, M61A, M62B, M68A, M68M, M70M, M71M, M72A, M73A, M79M	1Gb-32Gb	65nm	NAND	–	1.1	04/05/2013
<b>MT25Q (512Mb)</b>	MT25QL512	512Mb	45nm	NOR	Serial	1.2	08/27/2013
	MT25QU512	512Mb	45nm				
<b>NAND Flash low-level drivers for x8 devices</b>	Any 5-address-cycle-addressable 2KB-page part (no ECC support)			NAND	Parallel	4.0	06/12/2006
<b>NAND Flash low-level drivers for x16 devices</b>	Any 5-address-cycle-addressable 2KB-page part (no ECC support)			NAND	Parallel	3.0	06/13/2006
<b>N25Q (16Mb–1Gb)</b>	N25Q	16Mb	65nm	NOR	Serial	1.6	08/27/2013
	N25Q	32Mb	65nm				
	N25Q	64Mb	65nm				
	N25Q	128Mb	65nm				
	N25Q	256Mb	65nm				
	N25Q	512Mb	65nm				
	N25Q	1Gb	65nm				
<b>S33 (16Mb–64Mb)</b>	S33	16Mb, 32Mb, 64Mb	130nm	NOR	Serial	1.0	05/08/2006

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Driver	Supported Devices	Density	Lithography	Product Family	Serial/Parallel	Driver Version	Last Modified
<b>Small-page SLC (128Mb–1Gb)</b> <b>LLD for legacy Numonyx SLC NAND devices</b>	NAND128-A	128Mb	90nm	NAND	Parallel	1.5	11/24/2009
	NAND256-A	256Mb	90nm				
	NAND512xxA2D	512Mb	57nm				
	NAND512A2C	512Mb	70nm				
	NAND01GxxA2C	1Gb	57nm				
	NAND01GWxA2B-KGB	1Gb	70nm				
<b>Very large-page SLC (8Gb)</b> <b>LLD for legacy Numonyx SLC NAND devices</b>	NANDxxGW3F2A	8Gb	48nm	NAND	Parallel	0.1	03/09/2010
<b>W18 &amp; W30 (16Mb–64Mb)</b>	W18	16Mb, 32Mb, 64Mb	90nm (32Mb/64Mb Pb-free only), 130nm	NOR	Parallel	1.0	04/05/2005
	W30	16Mb, 32Mb	130nm				
	W30	64Mb	130nm				

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### Micron Software Device Drivers

Driver	Platform	Operating System	Supported Device	Product Family	Driver Version	Last Modified
<b>BeagleBoard SPI NAND MTD for Linux 2.6.33</b>	BeagleBoard	Linux 2.6.33	M58	SPI NAND	1.0	06/24/2011
<b>Zoom3 SLC NAND LLD for Google® Android™ 2.1/Kernel 2.6.29</b>	Zoom3	Android 2.1	M60	SLC NAND	1.0	01/01/2011
	Zoom3	Kernel 2.6.29				
<b>Zoom3 SLC NAND/e-MMC driver for Android 2.1/Kernel 2.6.29</b>	Zoom3	Android 2.1	Driver is not chip-dependent	SLC NAND	1.0	01/06/2011
	Zoom3	Kernel 2.6.29				
<b>Zoom2 SLC NAND MTD for Android 1.6/Kernel 2.6.29</b>	Zoom2	Android 2.1	M50	SLC NAND	1.1	05/16/2010
	Zoom2	Kernel 2.6.29				
<b>Qualcomm MSM7627 NANDcode™ FTL†† for Android 1.6/Kernel 2.6.29</b>	Qualcomm MSM7627	Android 2.1	M50	SLC NAND	1.0	07/01/2010
	Qualcomm MSM7627	Kernel 2.6.29				
<b>OMAP 3430SDP NANDcode FTL for Windows® Mobile® 6.5</b>	OMAP 3430SDP	Windows Mobile 6.5	M60	SLC NAND	1.1	07/16/2010
<b>Zoom3 NANDcode FTL for Android 2.1/Kernel 2.6.29</b>	Zoom3	Android 2.1	M60	SLC NAND	1.0	08/11/2010
	Zoom3	Kernel 2.6.29				

††NANDcode software drivers require a service-level agreement (SLA).

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