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N25Q256A83E1241F

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| DATA SHEETS (1) | SPECS | SIM MODELS & SOFTWARE | ROHS CERTIFICATES | DOCUMENTATION & SUPPORT | PARTS WITH THE SAME DATA SHEET (5) | WHERE TO BUY |

Data Sheets (1)

Data Sheet 🔒

N25Q 256Mb 3V Multiple I/O Serial Flash Memory with Security

Embedded Memory Solutions
N25Q
NOR Flash

File Type: PDF   **Updated:** 11/2016

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Specs

Orderable Parts for: **N25Q256A83E1241F**

SEE ALL SERIAL NOR FLASH PARTS

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
N25Q256A83E1241F	Obsolete	Tape & Reel	N/A	N/A	N/A	No		N/A

Detailed Specifications

Density	256Mb	**Part Status**	Obsolete	**Width**	x1/x2/x4	**Voltage**	2.7V-3.6V
Package	T-PBGA	**Pin Count**	24-ball	**Speed**	108 MHz	**RoHS**	Yes
Type	Multi I/O	**Op Temp**	-40C to +85C	**Applications**	Embedded	**Part Family**	N25Q
Media	Tape & Reel						

Sim Models & Software

Sim Models

Verilog

Verilog model, N25Q, 256Mb, 3V, v1.2 (GZ)

256Mb, Micron XIP, Hold pin, Dedicated Reset,

File Type: GZ   **Updated:** 12/27/2013

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IBIS

IBIS_N25Q256Ax3EPP4 v1.3 (ZIP)

x.1= configuration. PP= 12, F8, SF.

File Type: ZIP   **Updated:** 11/26/2013

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Serial NOR Flash

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Software

Software Driver 🔒

N25Q (16Mb, 32Mb, 64Mb, 128Mb, 256Mb, 512Mb, 1Gb) General Low-Level Driver v2.1 (ZIP)

General low-level driver for N25Q serial NOR. Download the technical note for this driver here.

File Type: ZIP   **Updated:** 08/31/2015

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RoHS Certificates

RoHS Certificates

RoHS Certificate of Compliance (PDF)

Part-specific certification of how this product meets the requirements of the current DIRECTIVE 2002/95/EC, a.k.a. Restriction of Hazardous Substances (RoHS) Directive.

File Type: (PDF)   **Updated:** 12/2016

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RoHS Certificates

China RoHS Certificate (PDF)

Part-specific certification as required by China's Management Methods for Controlling Pollution by Electronic Information Products.

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Documentation & Support

Technical Notes

SEARCH (35) SERIAL NOR FLASH TECHNICAL NOTES

Technical Notes

TN-12-11: N25Q Serial NOR Flash Memory Software Device Drivers (PDF)

(TN-12-11) This technical note provides a description of the C library source code for Micron N25Q serial NOR Flash memory devices. Download the low-level driver described in this document

File Type: PDF   **Updated:** 05/08/2013

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Technical Notes

TN-12-26: Migrating from Winbond's W25Q256FV to Micron's N25Q 256Mb Flash Device (PDF)

(TN-12-26) This technical note compares features of the Micron N25Q (256Mb) and Winbond W25Q256FV Flash memory devices.

File Type: PDF   **Updated:** 01/29/2013

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Technical Notes

TN-12-20: Migrating from Macronix's MX25L25635F to Micron's N25Q 256Mb Flash Device (PDF)

(TN-12-20) This technical note compares features of the Micron N25Q (256Mb) and Macronix MX25L25635F Flash memory devices.

File Type: PDF   **Updated:** 11/29/2012

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Technical Notes

TN-12-19: Migrating from Spansion's S25FL256S to Micron's N25Q 256Mb Flash Device (PDF)

(TN-12-19) This technical note compares features of the Micron N25Q (256Mb) and Spansion S25FL256S Flash memory devices.

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TN-12-23: Migrating from EON's EN25QH256 to Micron's N25Q 256Mb Flash (PDF)

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(TN-12-23) This technical note compares features of the Micron N25Q (256Mb) and EON EN25QH256 Flash memory devices.

File Type: PDF   **Updated:** 08/24/2012   **DOWNLOAD**

Technical Notes

TN-25-01: Migrating from Micron's N25Q to Micron's MT25Q (PDF)

NOR Flash
Serial NOR Flash

(TN-25-01) This technical note describes the process for converting a system design from the Micron N25Q Flash memory device to the Micron MT25Q Flash memory device. PCN's 32162, 32163

File Type: PDF   **Updated:** 12/02/2016   **DOWNLOAD**

Technical Notes

TN-25-05: N25Q and MT25Q Serial Flash Stacked Devices (PDF)

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NOR Flash
Serial NOR Flash

(TN-25-05) This technical note describes the features of stacked devices for N25Q and MT25Q. These devices are memory with two or more dies in the same package.

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Technical Notes

TN-25-31: Migrating N25Q 64Mb Standard to Enhanced - Serial NOR Flash (PDF)

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(TN-25-31) This technical note provides information to help users to migrate from a standard configuration to an enhanced program and erase speed configuration of the Micron Flash memory N25Q 64Mb device.

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Technical Notes

TN-25-09: Layout Guidelines - Serial NOR Flash (PDF)

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(TN-25-09) This technical note provides PCB designers basic guidelines for optimizing signal layout and power supply lines in Micron's Serial NOR Flash device to prevent signal integrity problems.

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Technical Notes

TN-12-30: NOR Flash Cycling Endurance and Data Retention (PDF)

(TN-12-30) This technical note defines the industry standards for this testing, Micron's NOR Flash testing methodology, and the two key metrics used to measure NOR device failure: cycling endurance and data retention.

File Type: PDF   **Updated:** 09/18/2015

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SEARCH (35) SERIAL NOR FLASH TECHNICAL NOTES

Parts with the same Data Sheet (5)

	N25Q256A83E1241F (Current)	N25Q256A13E1241F	N25Q256A13E1241E	N25Q256A33E1241F
Part Status	Obsolete	Contact Factory	Production	Obsolete
Density	256Mb	256Mb	256Mb	256Mb
Width	x1/x2/x4	x1/x2/x4	x1/x2/x4	x1/x2/x4
Voltage	2.7V-3.6V	2.7V-3.6V	2.7V-3.6V	2.7V-3.6V
Package	T-PBGA	T-PBGA	T-PBGA	T-PBGA
Pin Count	24-ball	24-ball	24-ball	24-ball
Speed	108 MHz	108 MHz	108 MHz	108 MHz
RoHS	Yes	Yes	Yes	Yes
Type	Multi I/O	Multi I/O	Multi I/O	Multi I/O
Op Temp	-40C to +85C	-40C to +85C	-40C to +85C	-40C to +85C
Applications	Embedded	Embedded	Embedded	Embedded
Part Family	N25Q	N25Q	N25Q	N25Q
Media	Tape & Reel	Tape & Reel	Tray	Tape & Reel

Where to Buy

Orderable Parts

	Status	Media	FBGA Code	SPD Data	Chipset Validation	PLP	Start Date	Alternative Part
N25Q256A83E1241F	Obsolete	Tape & Reel	N/A	N/A	N/A	No		N/A

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