



Migration from EN25P20 to EN25F20

Part No. :	EN25F20
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1. Purpose

EN25P20 will EOL and be replaced by EN25F20 which can offer uniform 4Kbytes sector and allow for greater flexibility in applications. This note highlights the difference between those two devices. And it helps customers to migrate into new device.

2. Difference

When customers want to replace EN25P20 with EN25F20, the difference of device ID needs to take care only. Other items in the list below are the additional features of EN25F20 compared with EN25P20.

- **Manufacturer and Device Identification**

EN25F20 :

OP Code	(M7-M0)	(ID15-ID0)	(ID7-ID0)
ABh	 	 	11h
90h	1Ch	 	11h
9Fh	1Ch	3112h	

EN25P20 :

OP Code	(M7-M0)	(ID15-ID0)	(ID7-ID0)
ABh	 	 	11h
90h	1Ch	 	11h
9Fh	1Ch	2012h	



● **Block Sector Architecture**

EN25F20 : Small uniform sector Architecture

- 64 sectors of 4KB
- 4 blocks of 64KB
- Any sector or block can be erased individually

EN25P20 : Uniform sector Architecture

- 4 sectors of 64KB
- Any block can be erased individually

● **Erasable**

EN25F20--- Sector, Block or Chip erasable

EN25P20--- Sector or Chip erasable

● **Support Lockable 256 byte OTP security sector**

EN25F20---Yes

EN25P20---No

● **Instruction Set Comparison**

EN25F20 :

Instruction Name	Byte 1 Code	Byte 2	Byte 3	Byte 4	Byte 5	Byte 6	n-Bytes
Sector Erase	20h	A23-A16	A15-A8	A7-A0			
Block Erase	D8h/ 52h	A23-A16	A15-A8	A7-A0			
Chip Erase	C7h/ 60h						
Enter OTP mode	3Ah						

EN25P20 :

Instruction Name	Byte 1 Code	Byte 2	Byte 3	Byte 4	Byte 5	Byte 6	n-Bytes
Sector Erase	D8h	A23-A16	A15-A8	A7-A0			
Bulk Erase	C7h						



Revisions History

Revision No	Description	Date
A	Initial Release.	2008/03/25