



Migration from EN25P10 to EN25F10

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|----------------------|--------------------------------------------|
| Part No. : | EN25F10 |
| Issued date : | 2008 / 05 / 20 |
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1. Purpose

EN25P10 will EOL and be replaced by EN25F10 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 EN25P10 with EN25F10, the difference of device ID needs to take care only. Other items in the list below are the additional features of EN25F10 compared with EN25P10.

- **Manufacturer and Device Identification**

EN25F10 :

| OP Code | (M7-M0) | (ID15-ID0) | (ID7-ID0) |
|---------|---------|------------|-----------|
| ABh | | | 10h |
| 90h | 1Ch | | 10h |
| 9Fh | 1Ch | 3111h | |

EN25P10 :

| OP Code | (M7-M0) | (ID15-ID0) | (ID7-ID0) |
|---------|---------|------------|-----------|
| ABh | | | 10h |
| 90h | 1Ch | | 10h |
| 9Fh | 1Ch | 2011h | |



● **Block Sector Architecture**

EN25F10 : Small uniform sector Architecture

- 32 sectors of 4KB
- 4 blocks of 32KB
- Any sector or block can be erased individually

EN25P10 : Uniform sector Architecture

- 4 sectors of 32KB
- Any sector can be erased individually

● **Erasable**

EN25F10--- Sector, Block or Chip erasable

EN25P10--- Sector or Chip erasable

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

EN25F10---Yes

EN25P10---No

● **Instruction Set Comparison**

EN25F10 :

| 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 | | | | | | |

EN25P10 :

| 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. | 2008/05/20 |