Qualcomm Multi PartFormat 2.1 User Manual

General Description and Name

This BBM base on Qualcomm multiple partition v2.1. In the partition table, the "actual data blocks" (column 3) is extended with a page format selector.

Relevant User Options

The following special features on the special features tab apply to this scheme. The default values might work in some cases but please make sure to set the right value according to your system.
Please note only the below special feature items are related to this scheme and ignore any others. If any of below items doesn't exist, please check whether the right version has been installed or contact Data I/O for support by submitting Device Support Request through this address:
http://www.dataio.com/support/dsr.asp

Bad Block Handling Type = "Qualcomm Multi PartFormat 2.1"

Spare area : Please refer to "Description of common NAND special features.pdf". ***Normally set as "Enabled " for this BBM***.[Default 'Disabled']

Special Notes

The data file must have a header which includes a partition table.

The format of partition table is compatible to Qualcomm multiple partition v2.1, but the "actual data blocks" (column 3) is extended with a page format selector. The MSB of it is used to differentiate between the standard and the Linux page format:

MSB	Format
0	Standard format
1	Linux format

The spare area is always programmed with the user data in this scheme.

The start block of each partition will be fixed to a particular physical block. If that block is bad, it is acceptable to move to the next good block.

Revision History

V1.0 NOV 4, 2014
Create this spec.

Appendix

You can get the file “Description of common NAND special features.pdf” from http://ftp.dataio.com/FCNotes/BBM/