

P1021 Type B Instruction RAM Microcode Package Release 0.0.0

General

This release note reflects differences between the *QUICC Engine™ Block Reference Manual with Protocol Interworking*, QEIWRM, Rev 3, and the features which are available for this device using the provided microcode Instruction RAM (IRAM) packages. The following release note reveals any exceptions to the features which are specified in this release of the specification. The notes also describe any addition to the specification or any missing functionality in comparison to the specification.

The user should follow tightly the instructions specified in the QE_Ucode_Loader file provided in the package in relation to the header files containing the code. These instructions assure proper operation and activation of the right features in the code.

Refer to the *QUICC Engine Microcode Errata* for all known issues related to this and other microcode packages.

This package includes the following core blocks: ATM Termination (AAL0 and AAL5), IMA and IMA counters, Serial ATM, asynch HDLC, SPI, HDLC, USB, UART, BISYNC and UMCC. Features of these core blocks that are not supported in this package are described in [Table 3](#).

Availability

The package is currently available for the following devices.

Table 1. Package Availability by Device

Device	Loader file name (.h)
P1021_rev 1.0	iram_P1021_Type_B.h

Package Content

The tables below designate the content of this package. The baseline is the *QUICC Engine™ Block Reference Manual with Protocol Interworking*, QEIWRM, Rev 3. The tables below show additional features and features which are not supported. For the specification of additional features, which are not described in the *QUICC Engine™ Block Reference Manual with Protocol Interworking*, QEIWRM, Rev 3, please contact Freescale support. Contact information may be found at www.freescale.com.

Table 2. New Features (which are not Described in QEIWRM, Rev 3)

Feature	Comments
None	

Table 3. Removed Features (Described in QEIWRM, Rev 3 but Not Supported)

Feature	Comments	QEIWRM, Rev 3
LPM PCD		Section 30.3.2.4, "Longest Prefix Match (LPM) PCD"
Protocol IW Function		Chapter 31, "Protocol Interworking Programming Model"
ATM AAL2		Chapter 12, "ATM Adaptation Layer 2"
IP Reassembly		Chapter 33, "IP Reassembly"
Virtual Port		Chapter 32, "Virtual Port"
Ethernet Termination		Chapter 8, "UCC Ethernet Controller (UEC)"
ATM AAL1 CES		Chapter 28, "ATM AAL1 Circuit Emulation Service"
ATM AAL1		Chapter 11, "ATM Controller AAL0, AAL1, and AAL5"

Revision History

Table 4. Revision History for Release 0.0.0

Release Date: Jan 1, 2010 Revision Register Number: 0xB100B000	
New Features	None. Initial Release.
Removed Features	None. Initial Release.
Bug Fixes	None. Initial Release.

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