



Marvell. Moving Forward Faster

1 Introduction

This Release Note is intended for users of Marvell UMSD (Unified Marvell SOHO Driver). It provides you with information about UMSD release including download and installation instructions, the new features of this release and important changes since the previous one. We recommend that you read this document before installing and using latest UMSD release.

2 Overview of UMSD

UMSD is a low-level SW driver for Marvell's Packet Processor, SOHO Switch family.

UMSD includes the following components: Driver Code (APIs Interface, product package), Reference Code (samples), and Utilities (CLI)

Terms:

QA = Quality Assured

PQ = Pre Qualified

3 Key Change on UMSD 2.0.4

This release includes new CLI features

New features list:

- Update CLI options description and CLI example for PTP configure commands

Fixed items:

Key	Summary	Silicone

4 New/Modified APIs and Structures

5 Outstanding Notes

- APIs - 'msdIRLCustomSetup' and 'msdIRLAdvConfig' are not supported in Linux Kernel mode in case of no Float Point operation support.
- VCT - TDR based is not fully QA.

Status of UMSD Modules on Agate and Pearl devices

	ATU	VTU	STU	TCAM	Port Ctrl	IRL	MIB	Sys Ctrl	Trunk	Queue Ctrl	Qos Map	Qav	PTP	RMU	Led	Phy Ctrl	VCT	Serdes
Agate	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	PQ	PQ
Pearl	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	PQ	PQ
Topaz	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	PQ
Peridot	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA

6 Download information

This version is available for download at :

[My Products](#) > [Switching](#) > [Link Street SOHO Switch Family](#)

UMSD package includes the following structure and Zip files:

- documentation, UMSD Guide
- dev, product specified code packages
- host, CLI, Linux project, Windows project(visual studio 2013)
- sample, reference codes
- library, output library folder
- include, header files for umsd APIs and structures defines
- src, UMSD APIs HAL layer code
- tools, linux build files
- setenv, linux build files

7 Appendix A Per-Board Test Coverage

Boards that don't appear in the following table are not supported by this UMSD release.

Family	Device	HW	platform	Coverage	New/Updated in this version
Agate	Agate	88E6352	Linux/Windows	QA	Yes
Agate	Agate	88E6172	Linux/Windows	PQ	Yes
Agate	Agate	88E6176	Linux/Windows	PQ	Yes
Agate	Agate	88E6240	Linux/Windows	PQ	Yes
Pearl	Pearl	88E6321	Linux/Windows	QA	Yes
Pearl	Pearl	88E6320	Linux/Windows	PQ	Yes
Peridot	Peridot	88E6390	Linux/Windows	PQ	Yes
Peridot	Peridot	88E6390X	Linux/Windows	QA	Yes
Peridot	Peridot	88E6190	Linux/Windows	PQ	Yes
Peridot	Peridot	88E6290	Linux/Windows	PQ	Yes
Topaz	Topaz	88E6341	Linux/Windows	QA	Yes
Topaz	Topaz	88E6141	Linux/Windows	PQ	Yes



Revision History

Table 1: Revision History

Document Type	Revision	Date	Comments	Author
UMSD Release Notes	1.0.0	Sep-10-2016	Update for new release 1.0.0 Beta	Datacom, CSIBU
UMSD Release Notes	1.0.0	Nov-10-2016	Update for new release 1.0.0 GA	Datacom
UMSD Release Notes	1.1.0	Feb-10-2017	Update for new release 1.1.0	Datacom
UMSD Release Notes	2.0.0	Apr-10-2017	Update for new release 2.0.0	Datacom
UMSD Release Notes	2.0.1	May-5-2017	Update for new release 2.0.1	Datacom
UMSD Release Notes	2.0.2	June-12-2017	Update for new release 2.0.2	Datacom
UMSD Release Notes	2.0.3	July-18-2017	Update for new release 2.0.3	Datacom
UMSD Release Notes	2.0.4	Aug-09-2017	Update for new release 2.0.4	Datacom

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