

Product Change Notification

Change Title	Firmware Update Notification (120319)	Date	2012,APR,23th	PCN No	1209
Models	SATADOM D150Q Series including D150QV, D150QV-L, D150QH				

Key Characteristics of the Change:

Product Firmware upgrades.

Description:

Firmware for the SATADOM D150Q series is being updated from version Ver:110520x to 120319.

All InnoDisk SATADOM D150Q series is updatable to firmware 120319 from any previous version.

The existing version product would be replaced and discontinued on Date of 23TH May, 2012. The transformation as table shown in following:

Firmware 0319 includes following change:

1. Support ODG MP
2. Solve SATA hot plug hang up bug
3. SMART erase count support 19 bits
4. SMART support Read Flash ID
5. Improve HDTune write performance
6. SMART support Thermal Sensor
7. SMART support Unstable Power Count
8. Solve S1, S4 issue
9. Dynamic set flash clock by temperature
10. Support Samsung GAG F die
11. Support AHCI(NCQ)
12. Fast boot time

Forecasted Key Milestones:

Date of first availability of changed product:	23 th , May, 2012
Implementation Date:	2 nd , May, 2012
Date of firmware 120319 release:	20th April, 2012

*Milestone dates are subject to change based on business and operational conditions.

Customer Impact of Change and Recommended Action:

InnoDisk anticipates no negative impact to customer's application.

We recommend customers to evaluate this new firmware for SATADOM D150Q series.

There is no quality, reliability, or functional implication to customer's application and qualification of these changes may not be necessary.

Products Affected / InnoDisk Ordering Codes:

Category	Property	Description
DESI	02GJ30AC1DS	SATADOM D150QV
DESI	02GJ30AC1DSF	SATADOM D150QV
DESI	02GJ30AW1DS	SATADOM D150QV
DESI	02GJ30AW1DSF	SATADOM D150QV
DESI	04GJ30AC1QS	SATADOM D150QV
DESI	04GJ30AC1QSF	SATADOM D150QV
DESI	04GJ30AC1SN	InnoLite SATADOM D150QV 4GB STD
DESI	04GJ30AC1SNF	InnoLite SATADOM D150QV 4GB STD
DESI	04GJ30AW1QS	SATADOM D150QV
DESI	04GJ30AW1QSF	SATADOM D150QV
DESI	04GJ30AW1SN	InnoLite SATADOM D150QV 4GB WT
DESI	04GJ30AW1SNF	InnoLite SATADOM D150QV 4GB WT
DESI	08GJ30AC1DN	InnoLite SATADOM D150QV
DESI	08GJ30AC1DNF	InnoLite SATADOM D150QV
DESI	08GJ30AC1QS	SATADOM D150QV
DESI	08GJ30AC1QSF	SATADOM D150QV
DESI	08GJ30ACAQS	SATADOM D150QV 8GB STD (BGA)
DESI	08GJ30ACAQSF	SATADOM D150QV 8GB STD (BGA)
DESI	08GJ30AW1DN	InnoLite SATADOM D150QV 8GB WT
DESI	08GJ30AW1DNF	InnoLite SATADOM D150QV 8GB WT
DESI	08GJ30AW1QS	SATADOM D150QV
DESI	08GJ30AW1QSF	SATADOM D150QV
DESI	08GJ30AWAQS	SATADOM D150QV BGA 8GB WT
DESI	08GJ30AWAQSF	SATADOM D150QV 08GB WT
DESI	16GJ30AC1QN	InnoLite SATADOM D150QV
DESI	16GJ30AC1QNF	InnoLite SATADOM D150QV
DESI	16GJ30AC1QS	SATADOM D150QV
DESI	16GJ30AC1QSF	SATADOM D150QV
DESI	16GJ30AC1QT	SATADOM D150QV
DESI	16GJ30AC1QTF	SATADOM D150QV
DESI	16GJ30ACAQS	SATADOM D150QV 16GB STD (BGA)
DESI	16GJ30ACAQSF	SATADOM D150QV 16GB STD (BGA)
DESI	16GJ30AW1QN	InnoLite SATADOM D150QV 16GB WT
DESI	16GJ30AW1QNF	InnoLite SATADOM D150QV 16GB WT
DESI	16GJ30AW1QS	SATADOM D150QV
DESI	16GJ30AW1QSF	SATADOM D150QV
DESI	16GJ30AW1QT	SATADOM D150QV
DESI	16GJ30AW1QTF	SATADOM D150QV
DESI	16GJ30AWAQS	SATADOM D150QV BGA 16GB WT

DESI	16GJ30AWAQS	SATADOM D150QV 16GB WT
DESI	32GJ30AC1QN	InnoLite SATADOM D150QV
DESI	32GJ30AC1QNF	InnoLite SATADOM D150QV
DESI	32GJ30AC1QS	SATADOM D150QV
DESI	32GJ30AC1QSF	SATADOM D150QV
DESI	32GJ30AC1QT	SATADOM D150QV
DESI	32GJ30AC1QTF	SATADOM D150QV
DESI	32GJ30ACAQS	SATADOM D150QV 32GB STD (BGA)
DESI	32GJ30ACAQSF	SATADOM D150QV 32GB STD (BGA)
DESI	32GJ30AW1QN	InnoLite SATADOM D150QV 32GB WT
DESI	32GJ30AW1QNF	InnoLite SATADOM D150QV 32GB WT
DESI	32GJ30AW1QS	SATADOM D150QV
DESI	32GJ30AW1QSF	SATADOM D150QV
DESI	32GJ30AW1QT	SATADOM D150QV
DESI	32GJ30AW1QTF	SATADOM D150QV
DESI	32GJ30AWAQS	SATADOM D150QV BGA 32GB WT
DESI	32GJ30AWAQS	SATADOM D150QV 32GB WT
DESI	64GJ30AC1QN	InnoLite SATADOM D150QV
DESI	64GJ30AC1QNF	InnoLite SATADOM D150QV
DESI	64GJ30ACAQS	SATADOM D150QV 64GB STD (BGA)
DESI	64GJ30ACAQSF	SATADOM D150QV 64GB STD (BGA)
DESI	64GJ30AW1QN	InnoLite SATADOM D150QV 64GB WT
DESI	64GJ30AW1QNF	InnoLite SATADOM D150QV 64GB WT
DESI	64GJ30AWAQS	SATADOM D150QV BGA 64GB WT
DESI	64GJ30AWAQS	SATADOM D150QV 64GB WT
DESI	A28GJ30AC1QN	InnoLite SATADOM D150QV
DESI	A28J30AC1QN	InnoLite SATADOM D150QV 128GB STD
DESI	A28J30AC1QNF	InnoLite SATADOM D150QV 128GB STD
DESI	A28J30AW1QN	InnoLite SATADOM D150QV 128GB WT
DESI	A28J30AW1QNF	InnoLite SATADOM D150QV 128GB WT
DESIB	02GJ30AC1DS	SATADOM D150QH
DESIB	02GJ30AC1DSF	SATADOM D150QH
DESIB	02GJ30AC1QS	Horizontal SATADOM D150QH 2GB
DESIB	02GJ30AC2DS	SATADOM D150QH 2GB STD
DESIB	02GJ30AC2DSF	SATSDOM D150QH 2GB STD
DESIB	02GJ30AC2DT	SATSDOM D150QH 2GB STD
DESIB	02GJ30AC2DTF	SATSDOM D150QH 2GB STD
DESIB	02GJ30ACASS	SATADOM D150QH 2GB STD (BGA)
DESIB	02GJ30ACASSF	SATADOM D150QH 2GB STD (BGA)
DESIB	02GJ30AW1DS	SATADOM D150QH

DESIB	02GJ30AW1DSF	SATADOM D150QH
DESIB	02GJ30AW1QS	Horizontal SATADOM D150QH 2GB
DESIB	02GJ30AW1QSF	SATADOM D150QH
DESIB	02GJ30AW2DT	SATSDOM D150QH 16GB WT
DESIB	02GJ30AW2DTF	SATSDOM D150QH 2GB WT
DESIB	02GJ30AWASS	SATADOM D150QH 2GB WT (BGA)
DESIB	02GJ30AWASSF	SATADOM D150QH 2GB WT (BGA)
DESIB	04GJ30AC1QS	SATADOM D150QH
DESIB	04GJ30AC1QSF	SATADOM D150QH
DESIB	04GJ30AC1SN	InnoLite SATADOM D150QH 4GB STD
DESIB	04GJ30AC2QS	SATADOM D150QH 4GB STD
DESIB	04GJ30AC2QSF	SATSDOM D150QH 4GB STD
DESIB	04GJ30AC2QT	SATSDOM D150QH 4GB STD
DESIB	04GJ30AC2QTF	SATSDOM D150QH 4GB STD
DESIB	04GJ30AC2SN	InnoLite SATADOM D150QH 4GB STD
DESIB	04GJ30ACADS	SATADOM D150QH 4GB STD (BGA)
DESIB	04GJ30ACADSF	SATADOM D150QH 4GB STD (BGA)
DESIB	04GJ30AW1QS	SATADOM D150QH
DESIB	04GJ30AW1QSF	SATADOM D150QH
DESIB	04GJ30AW2QT	SATSDOM D150QH 4GB WT
DESIB	04GJ30AW2QTF	SATSDOM D150QH 4GB WT
DESIB	04GJ30AW2SN	InnoLite SATADOM D150QH 4GB WT
DESIB	04GJ30AWADS	SATADOM D150QH 4GB WT (BGA)
DESIB	04GJ30AWADSF	SATADOM D150QH 4GB WT (BGA)
DESIB	08GJ30AC1DN	InnoLite SATADOM D150QH
DESIB	08GJ30AC1DNF	InnoLite SATADOM D150QH
DESIB	08GJ30AC1QS	SATADOM D150QH
DESIB	08GJ30AC1QSF	SATADOM D150QH
DESIB	08GJ30AC1QTF	SATADOM D150QH
DESIB	08GJ30AC2DN	InnoLite SATADOM D150QH 8GB STD
DESIB	08GJ30AC2DNF	InnoLite SATADOM D150QH 8GB STD
DESIB	08GJ30AC2QS	SATADOM D150QH 8GB STD
DESIB	08GJ30AC2QSF	SATSDOM D150QH 8GB STD
DESIB	08GJ30AC2QT	SATSDOM D150QH 8GB STD
DESIB	08GJ30AC2QTF	SATSDOM D150QH 8GB STD
DESIB	08GJ30ACAQS	SATADOM D150QH BGA 8GB STD
DESIB	08GJ30ACAQSF	SATADOM D150QH 8GB STD (BGA)
DESIB	08GJ30AW1QS	SATADOM D150QH
DESIB	08GJ30AW1QSF	SATADOM D150QH
DESIB	08GJ30AW1QTF	SATADOM D150QH

DESIB	08GJ30AW2DN	InnoLite SATADOM D150QH 8GB WT
DESIB	08GJ30AW2QT	SATSDOM D150QH 8GB WT
DESIB	08GJ30AW2QTF	SATSDOM D150QH 8GB WT
DESIB	08GJ30AWAQS	SATADOM D150QH BGA 8GB WT
DESIB	08GJ30AWAQSF	SATADOM D150QH 8GB WT (BGA)
DESIB	16GJ30AC1QN	InnoLite SATADOM D150QH
DESIB	16GJ30AC1QNF	InnoLite SATADOM D150QH
DESIB	16GJ30AC1QSF	SATADOM D150QH
DESIB	16GJ30AC1QT	SATADOM D150QH
DESIB	16GJ30AC1QTF	SATADOM D150QH
DESIB	16GJ30AC2QN	InnoLite SATADOM D150QH 16GB STD
DESIB	16GJ30AC2QNF	InnoLite SATADOM D150QH 16GB STD
DESIB	16GJ30AC2QT	SATSDOM D150QH 16GB STD
DESIB	16GJ30AC2QTF	SATSDOM D150QH 16GB STD
DESIB	16GJ30ACAQS	SATADOM D150QH BGA 16GB STD
DESIB	16GJ30ACAQSF	SATADOM D150QH 16GB STD (BGA)
DESIB	16GJ30AW1QS	SATADOM D150QH
DESIB	16GJ30AW1QSF	SATADOM D150QH
DESIB	16GJ30AW1QT	SATADOM D150QH
DESIB	16GJ30AW1QTF	SATADOM D150QH
DESIB	16GJ30AW2QN	InnoLite SATADOM D150QH 16GB WT
DESIB	16GJ30AW2QT	SATSDOM D150QH 16GB WT
DESIB	16GJ30AW2QTF	SATSDOM D150QH 16GB WT
DESIB	16GJ30AWAQS	SATADOM D150QH BGA 16GB WT
DESIB	16GJ30AWAQSF	SATADOM D150QH 16GB WT (BGA)
DESIB	32GJ30AC1QN	InnoLite SATADOM D150QH
DESIB	32GJ30AC1QNF	InnoLite SATADOM D150QH
DESIB	32GJ30AC1QS	SATADOM D150QH
DESIB	32GJ30AC1QSF	SATADOM D150QH
DESIB	32GJ30AC1QT	SATADOM D150QH
DESIB	32GJ30AC1QTF	SATADOM D150QH
DESIB	32GJ30AC2QN	InnoLite SATADOM D150QH 32GB STD
DESIB	32GJ30AC2QNF	InnoLite SATADOM D150QH 32GB STD
DESIB	32GJ30AC2QT	SATSDOM D150QH 32GB STD
DESIB	32GJ30AC2QTF	SATSDOM D150QH 32GB STD
DESIB	32GJ30ACAQS	SATADOM D150QH BGA 32GB STD
DESIB	32GJ30ACAQSF	SATADOM D150QH 32GB STD (BGA)
DESIB	32GJ30AW1QS	SATADOM D150QH
DESIB	32GJ30AW1QSF	SATADOM D150QH
DESIB	32GJ30AW1QT	SATADOM D150QH

DESIB	32GJ30AW1QTF	SATADOM D150QH
DESIB	32GJ30AW2QN	InnoLite SATADOM D150QH 32GB WT
DESIB	32GJ30AW2QT	SATSDOM D150QH 32GB WT
DESIB	32GJ30AW2QTF	SATSDOM D150QH 32GB WT
DESIB	32GJ30AWAQS	SATADOM D150QH BGA 32GB WT
DESIB	32GJ30AWAQSF	SATADOM D150QH 32GB WT (BGA)
DESIB	64GJ30AC1QN	InnoLite SATADOM D150QH
DESIB	64GJ30AC1QNF	InnoLite SATADOM D150QH
DESIB	64GJ30AC2QN	InnoLite SATADOM D150QH 64GB STD
DESIB	64GJ30AC2QNF	InnoLite SATADOM D150QH 64GB STD
DESIB	64GJ30ACAQS	SATADOM D150QH BGA 64GB STD
DESIB	64GJ30ACAQSF	SATADOM D150QH 64GB STD (BGA)
DESIB	64GJ30AW2QN	InnoLite SATADOM D150QH 64GB WT
DESIB	64GJ30AWAQS	SATADOM D150QH BGA 64GB WT
DESIB	64GJ30AWAQSF	SATADOM D150QH 64GB WT (BGA)
DESIB	A28J30AC2QN	InnoLite SATADOM D150QH 128GB STD
DESIB	A28J30AW2QN	InnoLite SATADOM D150QH 128GB WT
DESIH	01GJ30AC1DS	SATADOM D150QV 1GB STD
DESIH	01GJ30AC1DSF	SATADOM D150QV 1GB STD
DESIH	01GJ30AW1DS	SATADOM D150QV 1GB WT
DESIH	01GJ30AW1DSF	SATADOM D150QV 1GB WT
DESIH	02GJ30AC1DS	SATADOM D150QV W/O hook
DESIH	02GJ30AC1DSF	SATADOM D150QV W/O hook
DESIH	02GJ30AC1ST	SATADOM D150QV W/O hook
DESIH	02GJ30AC1SX	SATADOM D150QV W/O hook
DESIH	02GJ30ACASS	SATADOM D150QV 2GB STD (BGA)
DESIH	02GJ30ACASSF	SATADOM D150QV 2GB STD (BGA)
DESIH	02GJ30AW1DS	SATADOM D150QV W/O hook
DESIH	02GJ30AW1DSF	SATADOM D150QV W/O hook
DESIH	02GJ30AWASS	SATADOM D150QV 2GB WT (BGA)
DESIH	02GJ30AWASSF	SATADOM D150QV 2GB WT (BGA)
DESIH	04GJ30AC1DT	SATADOM D150QV W/O hook
DESIH	04GJ30AC1DX	SATADOM D150QV W/O hook
DESIH	04GJ30AC1QS	SATADOM D150QV W/O hook
DESIH	04GJ30AC1QSF	SATADOM D150QV W/O hook
DESIH	04GJ30AC1SN	InnoLite SATADOM D150QV 4GB STD
DESIH	04GJ30AC1SNF	InnoLite SATADOM D150QV 4GB
DESIH	04GJ30ACADS	SATADOM D150QV 4GB STD (BGA)
DESIH	04GJ30ACADSF	SATADOM D150QV 4GB STD (BGA)
DESIH	04GJ30AW1QS	SATADOM D150QV W/O hook

DESIH	04GJ30AW1QSF	SATADOM D150QV W/O hook
DESIH	04GJ30AW1SN	SATADOM D150QV W/O hook 4GB
DESIH	04GJ30AW1SNF	InnoLite SATADOM D150QV 4GB WT
DESIH	04GJ30AWADS	SATADOM D150QV 4GB WT (BGA)
DESIH	04GJ30AWADSF	SATADOM D150QV 4GB WT (BGA)
DESIH	08GJ301C1DNF	SATADOM H1 D150QV 8GB STD
DESIH	08GJ30AC1DN	InnoLite SATADOM D150QV W/O hook
DESIH	08GJ30AC1DNF	InnoLite SATADOM D150QV W/O hook
DESIH	08GJ30AC1QS	SATADOM D150QV W/O hook
DESIH	08GJ30AC1QSF	SATADOM D150QV W/O hook
DESIH	08GJ30AC1QT	SATADOM D150QV W/O hook
DESIH	08GJ30AC1QX	SATADOM D150QV W/O hook
DESIH	08GJ30ACAQS	SATADOM D150QV 8GB STD (BGA)
DESIH	08GJ30ACAQSF	SATADOM D150QV 8GB STD (BGA)
DESIH	08GJ30AW1DN	SATADOM D150QV W/O hook 8GB
DESIH	08GJ30AW1DNF	InnoLite SATADOM D150QV 8GB WT
DESIH	08GJ30AW1QS	SATADOM D150QV W/O hook
DESIH	08GJ30AW1QSF	SATADOM D150QV W/O hook
DESIH	08GJ30AWAQS	SATADOM D150QV 8GB WT (BGA)
DESIH	08GJ30AWAQSF	SATADOM D150QV 8GB WT (BGA)
DESIH	16GJ301C1QNF	SATADOM H1 D150QV 16GB STD
DESIH	16GJ30AC1QN	InnoLite SATADOM D150QV W/O hook
DESIH	16GJ30AC1QNF	InnoLite SATADOM D150QV W/O hook
DESIH	16GJ30AC1QS	SATADOM D150QV W/O hook
DESIH	16GJ30AC1QSF	SATADOM D150QV W/O hook
DESIH	16GJ30AC1QT	SATADOM D150QV W/O hook
DESIH	16GJ30AC1QTF	SATADOM D150QV W/O hook
DESIH	16GJ30ACAQS	SATADOM D150QV 16GB STD (BGA)
DESIH	16GJ30ACAQSF	SATADOM D150QV 16GB STD (BGA)
DESIH	16GJ30AW1QNF	InnoLite SATADOM D150QV 16GB WT
DESIH	16GJ30AW1QS	SATADOM D150QV W/O hook
DESIH	16GJ30AW1QSF	SATADOM D150QV W/O hook
DESIH	16GJ30AW1QT	SATADOM D150QV W/O hook
DESIH	16GJ30AW1QTF	SATADOM D150QV W/O hook
DESIH	16GJ30AWAQS	SATADOM D150QV 16GB WT (BGA)
DESIH	16GJ30AWAQSF	SATADOM D150QV 16GB WT (BGA)
DESIH	32GJ301C1QNF	SATADOM H1 D150QV 32GB STD
DESIH	32GJ30AC1QN	InnoLite SATADOM D150QV W/O hook
DESIH	32GJ30AC1QNF	InnoLite SATADOM D150QV W/O hook
DESIH	32GJ30AC1QS	SATADOM D150QV W/O hook

DESIH	32GJ30AC1QSF	SATADOM D150QV W/O hook
DESIH	32GJ30AC1QT	SATADOM D150QV W/O hook
DESIH	32GJ30AC1QTF	SATADOM D150QV W/O hook
DESIH	32GJ30ACAQS	SATADOM D150QV 32GB STD (BGA)
DESIH	32GJ30ACAQSF	SATADOM D150QV 32GB STD (BGA)
DESIH	32GJ30AW1QNF	InnoLite SATADOM D150QV 32GB WT
DESIH	32GJ30AW1QS	SATADOM D150QV W/O hook
DESIH	32GJ30AW1QSF	SATADOM D150QV W/O hook
DESIH	32GJ30AW1QT	SATADOM D150QV W/O hook
DESIH	32GJ30AW1QTF	SATADOM D150QV W/O hook
DESIH	32GJ30AWAQS	SATADOM D150QV 32GB WT (BGA)
DESIH	32GJ30AWAQSF	SATADOM D150QV 32GB WT (BGA)
DESIH	64GJ301C1QNF	SATADOM H1 D150QV 64GB STD
DESIH	64GJ30AC1QN	InnoLite SATADOM D150QV W/O hook
DESIH	64GJ30AC1QNF	InnoLite SATADOM D150QV W/O hook
DESIH	64GJ30ACAQS	SATADOM D150QV 64GB STD (BGA)
DESIH	64GJ30ACAQSF	SATADOM D150QV 64GB STD (BGA)
DESIH	64GJ30AW1QNF	InnoLite SATADOM D150QV 64GB WT
DESIH	64GJ30AWAQS	SATADOM D150QV 64GB WT (BGA)
DESIH	64GJ30AWAQSF	SATADOM D150QV 64GB WT (BGA)
DESIL	02GJ30ACASS	SATADOM D150QV-L 2GB STD
DESIL	02GJ30ACASSF	SATADOM D150QV-L 2GB STD
DESIL	02GJ30AWASS	SATADOM D150QV-L 2GB WT
DESIL	02GJ30AWASSF	SATADOM D150QV-L 2GB WT
DESIL	04GJ30ACADS	SATADOM D150QV-L (BGA) 4GB
DESIL	04GJ30ACADSF	SATADOM D150QV-L 4GB
DESIL	04GJ30AWADS	SATADOM D150QV-L 4GB (BGA)
DESIL	04GJ30AWADSF	SATADOM D150QV-L 4GB
DESIL	08GJ30ACADSF	SATADOM D150QV-L 8GB STD
DESIL	08GJ30ACAQS	SATADOM D150QV-L(BGA)
DESIL	08GJ30ACAQSF	SATADOM D150QV-L 8GB
DESIL	08GJ30AWAQS	SATADOM D150QV-L(BGA)
DESIL	08GJ30AWAQSF	SATADOM D150QV-L 8GB
DESIL	16GJ30ACAQS	SATADOM D150QV-L(BGA)
DESIL	16GJ30ACAQSF	SATADOM D150QV-L 16GB
DESIL	16GJ30AWAQS	SATADOM D150QV-L(BGA)
DESIL	16GJ30AWAQSF	SATADOM D150QV-L 16GB
DESIL	32GJ30ACAQS	SATADOM D150QV-L(BGA)
DESIL	32GJ30ACAQSF	SATADOM D150QV-L 32GB
DESIL	32GJ30AWAQS	SATADOM D150QV-L(BGA)

DESL	32GJ30AWAQSF	SATADOM D150QV-L 32GB
DESL	64GJ30ACAQS	SATADOM D150QV-L(BGA)
DESL	64GJ30ACAQSF	SATADOM D150QV-L 64GB
DESL	64GJ30AWAQS	SATADOM D150QV-L(BGA)
DESL	64GJ30AWAQSF	SATADOM D150QV-L 64GB

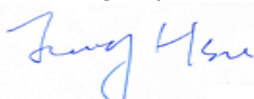
Notes:

Due to the nature of this failure and the low-risk nature of the fix, the corrective firmware will be immediately implemented in the factory. There may be a period of approximately 30 days where there will be some overlap of firmware shipped from the factory.

Michael Wang, Vice President
Embedded Business Div.



Joey Hsu, Sr. Manager
Product Planning Dept.



Eddie Wu, Product Manager
Product Planning Dept.

