

ReleaseOrder ID:	DCSG01952234
Headline:	GCA: IT_LinuxDrv_Ph36 - 55.00.00.00-1 Linux Driver
Release Version:	55.00.00.00-1
UCM Project:	IT_LinuxDrv
Sub UCM Project:	IT_LinuxDrv_Ph36
UCM Stream:	
Release Type:	GCA
State:	Released
Release Baseline:	Release-IT_LinuxDrv_Ph36-55.00.00.00-1-2025.07.24.09.34.00
Release Date:	2025-07-24 09:33:23.000000
Date Generated:	Aug 22, 2025

GCA Release Advisory

- Release Advisory From ReleaseOrder DCSG01952234 (GCA: IT_LinuxDrv_Ph36 - 55.00.00.00-1 Linux Driver):

Supported OS List (21)		
Citrix 8.2 (4.19.0+1)	Debian 11.11 (5.10.0-32)	Debian 12.10 (6.1.0-32)
Debian 12.11 (6.1.0-35)	OpenEuler 20.03 SP4 LTS (4.19.90-2312.1.0.0255.oe2003sp4.aarch64)	OpenEuler 22.03 SP3 LTS (5.10.0-182.0.0.95.oe2203sp3.aarch64)
OpenEuler 24.03 LTS (6.6.0-28.0.0.34.oe2403.x86_64 , 6.6.0-28.0.0.34.oe2403.aarch64)	RHEL 10.0 (6.12.0-55.9.1.el10_0.x86_64)	RHEL 9.4 (5.14.0-427.13.1.el9_4.x86_64)
SLES 12 SP5 (4.12.14-120)	RHEL 9.5 (5.14.0-503.11.1.el9_5.x86_64)	RHEL 9.6 (5.14.0-570.12.1.el9_6.x86_64)
SLES 15 SP5 (5.14.21-150500.53.2.x86_64)	SLES 15 SP6 (6.4.0-150600.21)	SLES 15 SP7 (6.4.0-150700.51)
Ubuntu 22.04.3 LTS (5.15.0-78)	Ubuntu 22.04.4 LTS (5.15.0-94)	Ubuntu 22.04.5 LTS (5.15.0-119)
Ubuntu 24.04 LTS (6.8.0-31)	Ubuntu 24.04.1 LTS (6.8.0-41)	Ubuntu 24.04.2 LTS (6.8.0-54)

Release History

- [DCSG01949750 - Beta Release: IT_LinuxDrv_Ph36 - 54.255.07.00 Linux Driver](#)
- [DCSG01942632 - Beta Release: IT_LinuxDrv_Ph36 - 54.255.06.00-1 Linux Driver](#)
- [DCSG01937169 - Alpha Release: IT_LinuxDrv_Ph36 - 54.255.05.00-1 Linux Driver](#)
- [DCSG01934000 - Alpha Release: IT_LinuxDrv_Ph36 - 54.255.04.00-1 Linux Driver](#)
- [DCSG01929971 - Pre-Alpha-2 Release: IT_LinuxDrv_Ph36 - 54.255.03.00-1 Linux Driver](#)
- [DCSG01928337 - Pre-Alpha-2 Release: IT_LinuxDrv_Ph36 - 54.255.02.00-1 Linux Driver](#)
- [DCSG01916860 - Pre-Alpha-1 Release: IT_LinuxDrv_Ph36 - 54.255.01.00-1 Linux Driver](#)

ReleaseOrder ID:	DCSG01949750 Open In CQWeb
Headline:	Beta Release: IT_LinuxDrv_Ph36 - 54.255.07.00 Linux Driver
Release Version:	54.255.07.00
UCM Project:	IT_LinuxDrv
Sub UCM Project:	IT_LinuxDrv_Ph36
UCM Stream:	
Release Type:	Beta
State:	Released
Release Baseline:	Release-IT_LinuxDrv_Ph36-54.255.07.00-2025.07.21.12.02.12
Release Date:	2025-07-21 12:01:56.000000
Date Generated:	Aug 22, 2025

Defects Fixed (1):

ID:	DCSG01943836
Headline:	Debian OS support list should be updated
Description Of Change:	Corrected the OS Support matrix for Debian,Removed Debian 12.9
Issue Description:	While updating the OS support matrix to include the latest Debian 12.x versions, an incorrect version entry was added.
Steps To Reproduce:	1.Navigate to the OS support matrix 2.Locate the section listing supported Debian versions. 3.Update the list

ReleaseOrder ID:	DCSG01942632 Open In CQWeb
Headline:	Beta Release: IT_LinuxDrv_Ph36 - 54.255.06.00-1 Linux Driver
Release Version:	54.255.06.00-1
UCM Project:	IT_LinuxDrv
Sub UCM Project:	IT_LinuxDrv_Ph36
UCM Stream:	
Release Type:	Beta
State:	Released
Release Baseline:	Release-IT_LinuxDrv_Ph36-54.255.06.00-1-2025.07.04.11.15.43
Release Date:	2025-07-04 11:15:15.000000
Date Generated:	Aug 22, 2025

Enhancements Implemented (1):

ID:	DCSG01941223
Headline:	SAS3.5 : OOB support for OE24.03 SP2
Description Of Change:	mpt3sas driver support for OE24.03 SP2 x86 -6.6.0-98.0.0.103.oe2403sp2.x86_64

ReleaseOrder ID:	DCSG01937169 Open In CQWeb
Headline:	Alpha Release: IT_LinuxDrv_Ph36 - 54.255.05.00-1 Linux Driver
Release Version:	54.255.05.00-1
UCM Project:	IT_LinuxDrv
Sub UCM Project:	IT_LinuxDrv_Ph36
UCM Stream:	
Release Type:	Alpha

State:	Released
Release Baseline:	Release-IT_LinuxDrv_Ph36-54.255.05.00-1-2025.06.20.10.22.53
Release Date:	2025-06-20 10:22:35.000000
Date Generated:	Aug 22, 2025

Defects Fixed (1):

ID:	DCSG01934399
Headline:	Remove RHEL8 support
Description Of Change:	Removed RHEL8 support from os_support.txt as per OS support policy.
Issue Description:	- mpt3sas os_support.txt contains RHEL8 support which needs to be removed.
Steps To Reproduce:	- Untar mpt3sas - os_support.txt contains RHEL8 support.

Enhancements Implemented (1):

ID:	DCSG01936018
Headline:	Remove RHEL8 support
Description Of Change:	Removed RHEL8 support from built kit as per OS support policy.

ReleaseOrder ID:	DCSG01934000 Open In CQWeb
Headline:	Alpha Release: IT_LinuxDrv_Ph36 - 54.255.04.00-1 Linux Driver
Release Version:	54.255.04.00-1
UCM Project:	IT_LinuxDrv
Sub UCM Project:	IT_LinuxDrv_Ph36
UCM Stream:	
Release Type:	Alpha
State:	Released
Release Baseline:	Release-IT_LinuxDrv_Ph36-54.255.04.00-1-2025.06.13.20.17.51
Release Date:	2025-06-13 20:17:33.000000
Date Generated:	Aug 22, 2025

Defects Fixed (1):

ID:	DCSG01933851
Headline:	Incorrect kernel version in OS support for sles15sp7
Description Of Change:	Updated correct kernel version in os_support.txt.
Issue Description:	os_support.txt is not containing correct kernel version for SLES15SP7 which was 6.4.0-150700.23-rt instead of 6.4.0-150700.14-rt
Steps To Reproduce:	Untar src file and check SLES15SP7 RT version in os_support.txt

Enhancements Implemented (5):

ID:	DCSG01902994
Headline:	Ph-36: Out of Box driver support for SLES15 SP7
Description Of Change:	Added the Out of Box driver support for SLES15 SP7

ID:	DCSG01908004
Headline:	OS driver support for Debian 12.10
Description Of Change:	Added mpt3sas driver support for Debian 12.10 for the below kernel versions. - 6.1.0-32

ID:	DCSG01928426
Headline:	Clean up the China OS support list for IT Linux drivers
Description Of Change:	Clean up the OS support file for the IT Linux driver. Removed below OS Support: - FusionOs - OpenCloudOS - Anolis

ID:	DCSG01929220
Headline:	Drivers: OOB Support for Debian 12.11
Description Of Change:	OOB Support for Debian 12.11 having kernel version 6.1.0- 35

ID:	DCSG01932842
Headline:	Add buildkit support for SLES15 SP7
Description Of Change:	Driver Build Kit support to generate driver binaries for SLES15 SP7 OS - 6.4.0-150700.51 - 6.4.0-150700.14-rt

ReleaseOrder ID:	DCSG01929971 Open In CQWeb
Headline:	Pre-Alpha-2 Release: IT_LinuxDrv_Ph36 - 54.255.03.00-1 Linux Driver
Release Version:	54.255.03.00-1
UCM Project:	IT_LinuxDrv
Sub UCM Project:	IT_LinuxDrv_Ph36
UCM Stream:	
Release Type:	Pre-Alpha-2
State:	Released
Release Baseline:	Release-IT_LinuxDrv_Ph36-54.255.03.00-1-2025.06.05.10.17.58
Release Date:	2025-06-05 10:17:39.000000
Date Generated:	Aug 22, 2025

Enhancements Implemented (2):

ID:	DCSG01923557
Headline:	SAS3.5: Linux Driver: Add OS support for RHEL 10 kernel
Description Of Change:	Added mpt3sas driver support for RHEL 10 for the below kernel versions. - 6.12.0-55.9.1.el10_0.x86_64 - 6.12.0-55.9.1.el10_0.x86_64+rt

ID: DCSG01929011

Headline: SAS3.5: Linux Driver: Add build kit support for RHEL 10

Description Of Change: mpt3sas driver Build Kit support to generate driver binaries (DUD, KMOD and SRPMS) for RHEL 10 OS

- 6.12.0-55.9.1.el10_0.x86_64

- 6.12.0-55.9.1.el10_0.x86_64+rt

ReleaseOrder ID: DCSG01928337

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Headline:

Pre-Alpha-2 Release: IT_LinuxDrv_Ph36 - 54.255.02.00-1 Linux Driver

Release Version:

54.255.02.00-1

UCM Project:

IT_LinuxDrv

Sub UCM Project:

IT_LinuxDrv_Ph36

UCM Stream:

Release Type:

Pre-Alpha-2

State:

Released

Release Baseline:

Release-IT_LinuxDrv_Ph36-54.255.02.00-1-2025.05.30.12.15.15

Release Date:

2025-05-30 12:14:57.000000

Date Generated:

Aug 22, 2025

Defects Fixed (1):

ID: DCSG01844274

Headline: Driver rpm uninstallation fails

Description Of Change: The %preun section of source RPM SPEC file updated to remove the %{kmod_rpm_release} %{arch} suffix from the package name in the "rpm -ql" command. This ensures compatibility across all OS distributions, regardless of the presence of extra strings like uelc20.

Issue Description: When rpm is tried to remove it is failing.

Steps To Reproduce: Try to downgrade the installed rpm with lower version.

Enhancements Implemented (2):

ID: DCSG01918160

Headline: SAS3.5: Linux Driver: Add OS support for RHEL9.6 kernel

Description Of Change: Added mpt3sas driver support for RHEL 9.6 for the below kernel versions.

- 5.14.0-570.12.1.el9_6.x86_64

- 5.14.0-570.12.1.el9_6.x86_64+rt

Note: Removed RHEL 9.3 OS support as per OS policy.

- 5.14.0-362.8.1.el9_3.x86_64

- 5.14.0-362.8.1.el9_3.x86_64+rt

ID: DCSG01926097

Headline: SAS3.5: Linux Driver: Add build kit support for RHEL 9.6

Description Of Change: mpt3sas driver Build Kit support to generate driver binaries (DUD, KMOD and SRPMS) for RHEL 9.6 OS

- 5.14.0-570.12.1.el9_6.x86_64

- 5.14.0-570.12.1.el9_6.x86_64+rt

Note: Removed RHEL 9.3 OS support as per OS policy.

- 5.14.0-362.8.1.el9_3.x86_64

- 5.14.0-362.8.1.el9_3.x86_64+rt

ReleaseOrder ID: DCSG01916860

[Open In CQWeb](#)

Headline:

Pre-Alpha-1 Release: IT_LinuxDrv_Ph36 - 54.255.01.00-1 Linux Driver

Release Version:

54.255.01.00-1

UCM Project:

IT_LinuxDrv

Sub UCM Project:

IT_LinuxDrv_Ph36

UCM Stream:

Release Type:

Pre-Alpha-1

State:

Released

Release Baseline:

Release-IT_LinuxDrv_Ph36-54.255.01.00-1-2025.05.07.16.18.16

Release Date:

2025-05-07 16:17:53.000000

Date Generated:

Aug 22, 2025

Enhancements Implemented (1):

ID: DCSG01868232

Headline: Resolve IOMMU Exceptions for Some SATA Commands

Description Of Change: If driver is mapping the data buffer provided in an I/O request to a physical DMABL memory with direction as a parameter to the mapping, then the driver needs to make sure for the below commands that has the direction of DIR_READ from the host, to set the mapping as both READ and WRITE.

- REPORT ZONES (95h/00h)

- GET PHYSICAL ELEMENT STATUS (9Eh/17h)

- SECURITY PROTOCOL IN (A2)