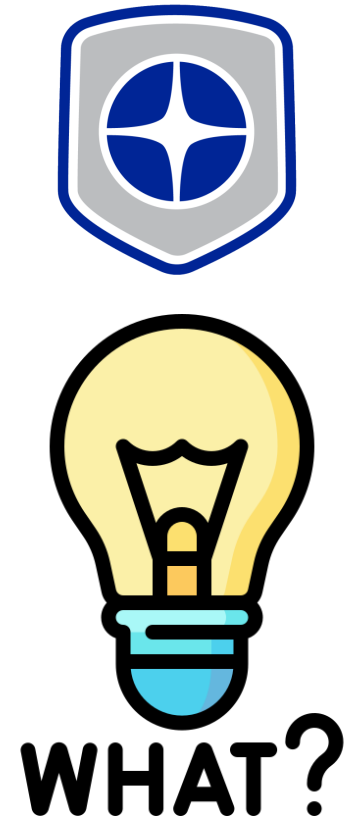# Datalogic Shield™
Android™ Updates for Security and Feature Improvements

What is Datalogic Shield?

Datalogic Shield is a subscription service that ensures your Datalogic Android mobile computers stay secure and current.

It includes:

- **Regular firmware updates:** Continuously improve your devices with the latest features, performance enhancements, and security measures.

- **Fixes and enhancements:** Benefit from ongoing optimizations, bug fixes, and security patches to maintain optimal device functionality and protection.

- **Android major version (dessert) upgrades:** Stay up-to-date with the latest Android versions, including critical security updates and new capabilities.

*Subscription includes all listed features, ensuring your Datalogic devices remain secure and up-to-date.
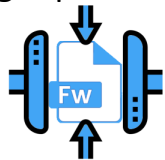
INTERNAL Datalogic Confidential

◆DATALOGIC
EMPOWER YOUR VISION

Shield Overview

SECURITY
Monthly Security Patches releases – with **Zero Latency** timing of delivery respect Google Security Patches publication

| JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEPT | OCT | NOV | DEC |

NEW

SHIELD

MODULARIZATION
Update FW Separately from main Datalogic Mobility Suite tools thanks to **Espresso Package**
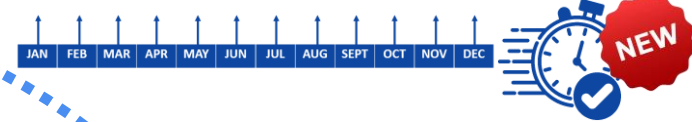
SW LIFE EXTENDED
Access to at least **2 Android OS Upgrades**

FAST FW UPDATES
Exploit the reduced size of the **Incremental OTA Packages** performing fast Security Updates

CONTINOUS IMPROVEMENTs
Continuous improvements of the **Datalogic Mobility Suite** and bug fix

INTERNAL Datalogic Confidential
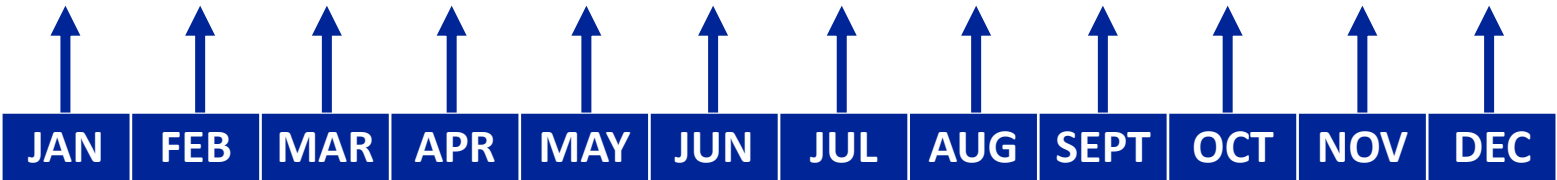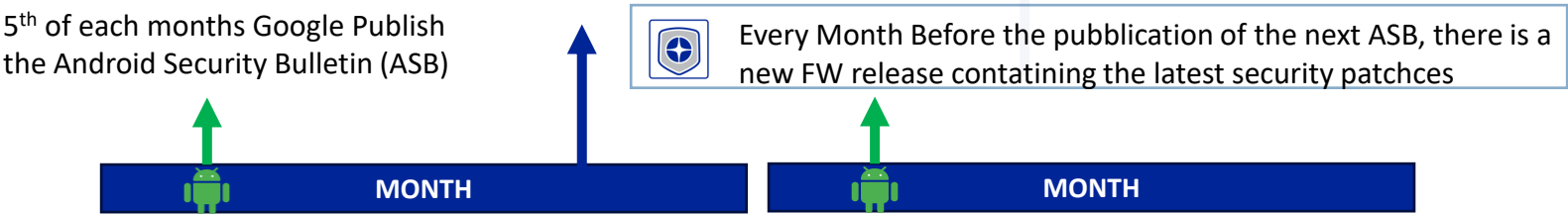
DATALOGIC
EMPOWER YOUR VISION

Shield – Zero Latency – MONHTLY SECURITY PATCHES

For selected Datalogic devices, the security service level of Shield is enhanced at no additional cost, with more frequent security patches to keep your system consistently updated.

- **12 Release per Years**

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC

- **Every Month Get last Google Security Patch Integrated**

5th of each months Google Publish the Android Security Bulletin (ASB)

Every Month Before the pubblication of the next ASB, there is a new FW release contatining the latest security patchces

MONTH

MONTH

- **Peace of mind for your organization, with systems that are always secure, up-to-date, and experience reduced downtime in case of critical vulnerabilities.**

Refer to the FAQ on Datalogic Shield Zero Latency for details on the applicable conditions.

INTERNAL Datalogic Confidential

DATALOGIC
EMPOWER YOUR VISION

Which Devices are supported?

Active products supported

Memor 30/35 Family

Joya Touch 22

Skorpio X5

Memor 11

WITH EVEN **DATALOGIC SHIELD ZERO LATENCY***

Products supported in EoL

Memor 20

Joya Touch A6

Memor 10

For up-to-date information, please visit the Datalogic Shield website:
www.datalogic.com/Shield

Refer to the FAQ on Datalogic Shield Zero Latency for details on the applicable conditions.

INTERNAL Datalogic Confidential

DATALOGIC
EMPOWER YOUR VISION

Buying Datalogic Shield

HOW?

Datalogic Shield is a subscription service available in two ways

Ease of Care (EoC) Maintenance Contract:
- The simplest and most comprehensive option.
- Included at no extra cost for eligible products, providing full coverage.

Datalogic Shield (Software-only) Contract:
- Follows a similar purchase process as EoC.
- Available as a standalone software-only subscription if EoC is not purchased.

WHEN?

Addressing the purchase of Shield

Purchase Timing:
- Ideally, Shield should be bought with the mobile computer hardware. Include it in the initial order.

Late Purchase:
- Datalogic may permit late purchases, but waiting until a Shield update is needed may lead to extra costs.

Availability:
- Shield is available through authorized Datalogic partners or distributors.
- By 6 months from the date of sales from the Datalogic distributors Shield updates are available for free.

INTERNAL Datalogic Confidential
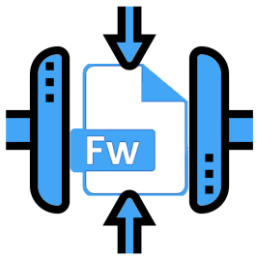
DATALOGIC
EMPOWER YOUR VISION

Shield – FAST FW Updates

FULL OTA Package

Distribution	Provides Full OTA firmware updates via the **Datalogic Developer Portal** for EMM/UEM upload or Datalogic Scan2Deploy deployment	
Compatibility	Suitable for any device firmware.	
Size	Depending on the device, typical more than 1 GB	
Drawbacks	Significant bandwidth requirement proportional to device count and network capacity, potentially resulting in lengthy deployment times	
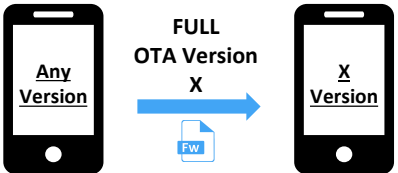
INCREMENTAL OTA Packages

Distribution	Provides Incremental OTA firmware updates via the **Datalogic Developer Portal** for EMM/UEM upload or Datalogic Scan2Deploy deployment
Compatibility	Each device must install the specific incremental OTA update from the currently installed version to the target version.
Size	Depending on the device for two consecutive firmware versions, typicall less than 100 MB
Advantages	Fast deployment without requiring significant bandwinth even for wide number of devices count
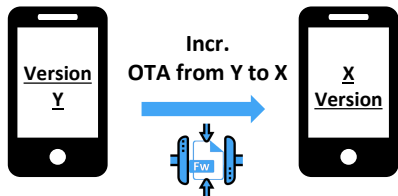
Datalogic Shield Incremental OTA minimizes firmware update downtime, enhancing security and device improvement accessibility

INTERNAL Datalogic Confidential

DATALOGIC
EMPOWER YOUR VISION

Shield – Modularization

ESPRESSO Package

OTA

Distribution	Provides OTA Espresso Package from the **Datalogic Developer Portal** for EMM/UEM upload or Datalogic Scan2Deploy deployment. It shares OTA extension and can exploit any OTA distribution method.
Compatibility	Each Espresso package conforms to its specific firmware version.
Size	Typically, around 80 MB.
Benefits	Always ensure to have right set of tools
Typical Content*	

Enterprise Browser

Datalogic Launcher

Logger

WiFi Guard

For detailed contents of the Exact Espresso package, please refer to the specific Release Notes.

Espresso Package make possible the distribution of Datalogic Tools using any FW Update functionality exposed by any EMM/UEM

INTERNAL Datalogic Confidential

◆DATALOGIC
EMPOWER YOUR VISION

Datalogic Shield SKUs

- Datalogic Shield (software only) SKUs come typically in 1, 3, 5 – year contracts

Device	Shield PN	Description	Duration (years)
Memor 30	ZS0SMEM30SH51	MEMOR 30, DATALOGIC SHIELD, <=5 YEARS	5
	ZS0SMEM30SH31	MEMOR 30, DATALOGIC SHIELD, 3 YEARS	3
	ZS0SMEM30SHA1	MEMOR 30, DATALOGIC SHIELD, ANNUAL	1
Memor 35	ZS0SMEM35SH51	MEMOR 35, DATALOGIC SHIELD, <=5 YEARS	5
	ZS0SMEM35SH31	MEMOR 35, DATALOGIC SHIELD, 3 YEARS	3
	ZS0SMEM35SHA1	MEMOR 35, DATALOGIC SHIELD, ANNUAL	1
Memor 11	ZS0SMEM11SH51	MEMOR 11, DATALOGIC SHIELD, <=5 YEARS	5
	ZS0SMEM11SH31	MEMOR 11, DATALOGIC SHIELD, 3 YEARS	3
	ZS0SMEM11SHA1	MEMOR 11, DATALOGIC SHIELD, ANNUAL	1
Skorpio X5	ZS0SSK5SH51	SKORPIO X5, DATALOGIC SHIELD, <=5 YEARS	5
	ZS0SSK5SH31	SKORPIO X5, DATALOGIC SHIELD, 3 YEARS	3
	ZS0SSK5SHA1	SKORPIO X5, DATALOGIC SHIELD, ANNUAL	1
Joya Touch 22	ZS0SJOYT22SH51	JOYA TOUCH 22, DATALOGIC SHIELD, <=5 YEA	5
	ZS0SJOYT22SH31	JOYA TOUCH 22, DATALOGIC SHIELD, 3 YEARS	3
	ZS0SJOYT22SHA1	JOYA TOUCH 22, DATALOGIC SHIELD, ANNUAL	1

- The full list SKUs are avaialble under the EoC product list in each product page of the devices
- Datalogic Shield is even included in all EoC (Ease Of Care) Programs

INTERNAL Datalogic Confidential

How are Shield updates phyisically downloaded?

Datalogic Doesn't Push Automatic Shield Updates:

Enterprise Focused: Unlike consumer devices like LG, Samsung, or iPhone, enterprises need control over updates.

Allows Testing: Companies can plan and test updates to ensure compatibility with their systems.

Avoids Disruptions: Updates can be deployed at the most convenient time, minimizing operational impact

Datalogic offers Shield Updates via OTA File leveraging on EMM & Staging Tools for the deployments

Access with Serial Number: Shield updates, including incremental OTAs, can be downloaded from Products - Mobile Computers with a valid serial number.

Flexible Deployment: Updates can be applied using your existing tools like EMM solutions (e.g., VMWare Workspace ONE, 42Gears, SOTI) or Datalogic's Scan2Deploy Studio.

Incremental OTA Benefits: Smaller and faster to deploy, incremental OTAs minimize data use and downtime, allowing for efficient updates with full control.

INTERNAL Datalogic Confidential

◆DATALOGIC
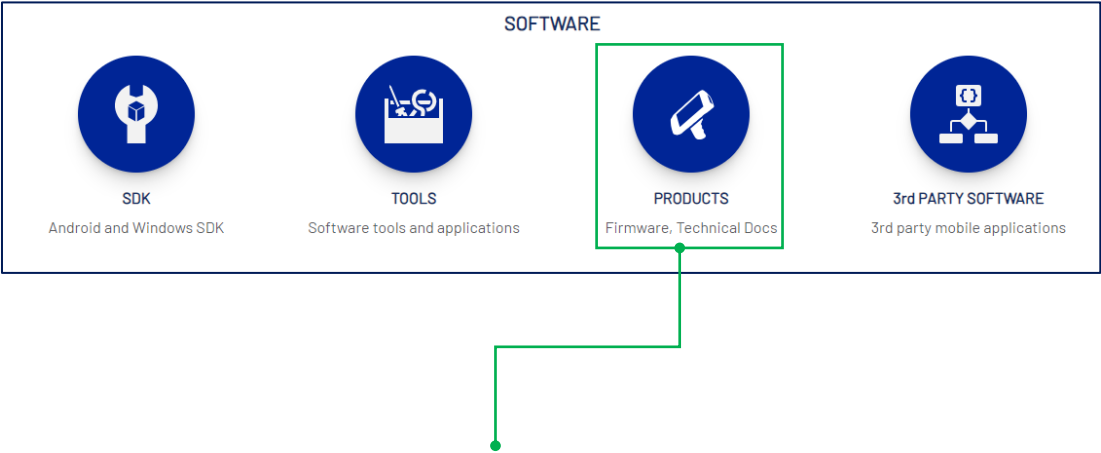EMPOWER YOUR VISION

Accessing Shield Update

Option 1

From the Datalogic Shield Landing Page:

Click on «ACCESS DATALOGIC SHIELD UPDATES»

Option 2

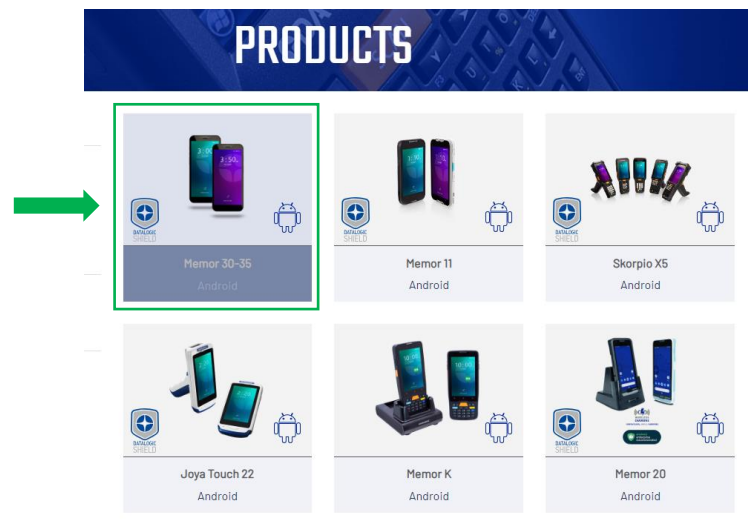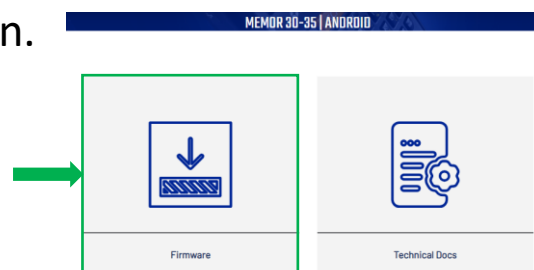From the Datalogic Shield Landing Page:

Inside the PRODUCTS page, check the "Datalogic Shield" filter on the left hand side of the page

INTERNAL Datalogic Confidential

Accessing Shield Update

1 Click on specific product you want to update:

2 Chose Firmware option.

3 You can check the status of support of your device, and relative OS*:

OS Version	Support Status ⓘ
Android 13	Active

3 Select the FW Version desired to download and install on your terminals

Memor 11 Android 11 v1.08.18 + Espresso Extension v1.08.18

File name	File size	File type	Last modified	Download
Memor 11 Android 11 GMS 1.07.15-1.08.18_INCR	26,68 Mb	FIRMWARE	28/03/2024	🔒
Memor 11 Android 11 GMS v1.08.18_FULL	1308,59 Mb	FIRMWARE	28/03/2024	🔒
Memor 11 Android 11 non-GMS 1.07.15-1.08.18_INCR	25,76 Mb	FIRMWARE	28/03/2024	🔒
Memor 11 Android 11 non-GMS v1.08.18_FULL	703,86 Mb	FIRMWARE	28/03/2024	🔒
Memor 11 GMS Espresso Extension v1.08.18	8,43 Mb	FIRMWARE	28/03/2024	⬇
Memor 11 non-GMS Espresso Extension v1.08.18	6 Mb	FIRMWARE	28/03/2024	⬇
ReleaseNotes_Memor 11-Android 11-v1.08.18	0,28 Mb	RELEASE NOTES	28/03/2024	⬇
ReleaseNotes_Memor 11-EspressoExtension-v1.08.18	0,23 Mb	RELEASE NOTES	28/03/2024	⬇

4 A firmware that has a lock logo next to it means it is a Shield restricted Firmware

File name	File size	File type	Last modified	Download
Memor 11 Android 11 GMS 1.07.15-1.08.18_INCR	26,68 Mb	FIRMWARE	28/03/2024	🔒

More information about Status of support of the devices can be found here

INTERNAL Datalogic Confidential

DATALOGIC
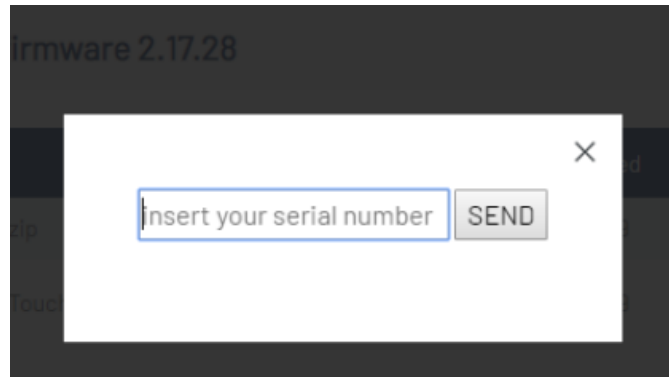EMPOWER YOUR VISION

Accessing Shield Update

5 Shield firmware access is restricted to Shield subscribers.

This means that to download firmware is necessary to:

- Log in to Developer Site
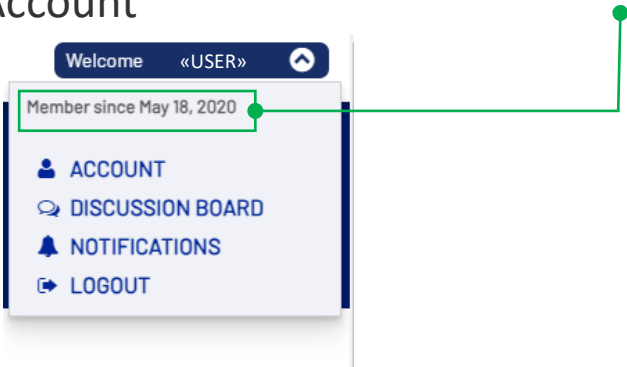

- Enter a Serial Number with Shield Support

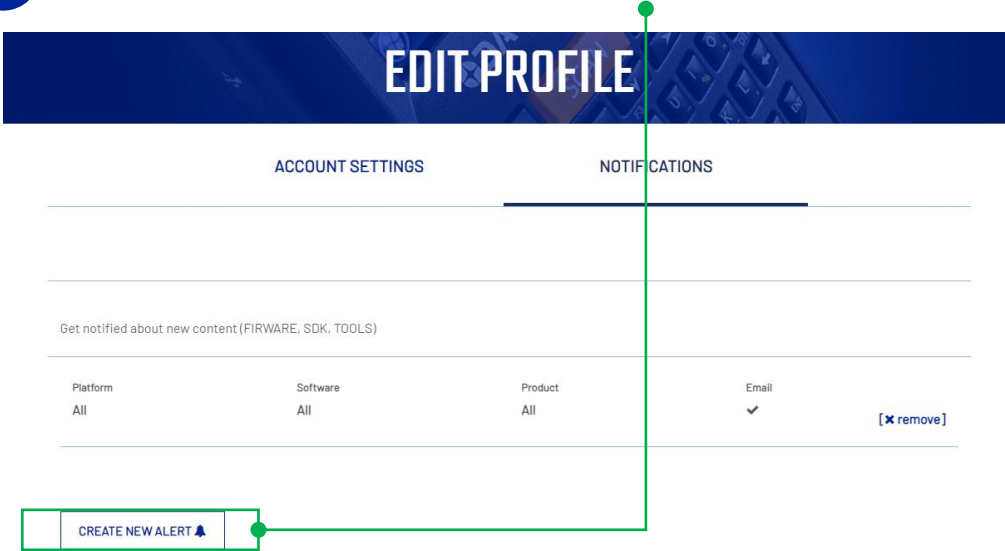- S/N is validated
- Download firmware

INTERNAL Datalogic Confidential

DATALOGIC
EMPOWER YOUR VISION

Sign up for Notifications

To get notified about new FW availabilities is possible to configure your notification email alert.

**1** Access to your profile settings pressing on your Account

Welcome «USER»
Member since May 18, 2020
👤 ACCOUNT
💬 DISCUSSION BOARD
🔔 NOTIFICATIONS
➡ LOGOUT

2 Create Your Alert

EDIT PROFILE

ACCOUNT SETTINGS   NOTIFICATIONS

Get notified about new content (FIRWARE, SDK, TOOLS)

Platform	Software	Product	Email	
All	All	All	✓	[✗ remove]

CREATE NEW ALERT 🔔

3 Select the Kind of Platform, Kind of Software and the Product relative to your alert

Platform	Software	Product	☑ Email
Android ▼	Firmware ▼	Memor 30-35 ▼	

CANCEL ✗   SAVE 💾

INTERNAL Datalogic Confidential

DATALOGIC
EMPOWER YOUR VISION

Reporting Issues

Please report any site issues (or problem downloading Shield updates) by clicking on the "REPORT SITE ISSUE" link at the bottom of the developer website (https://developer.datalogic.com)

INTERNAL Datalogic Confidential
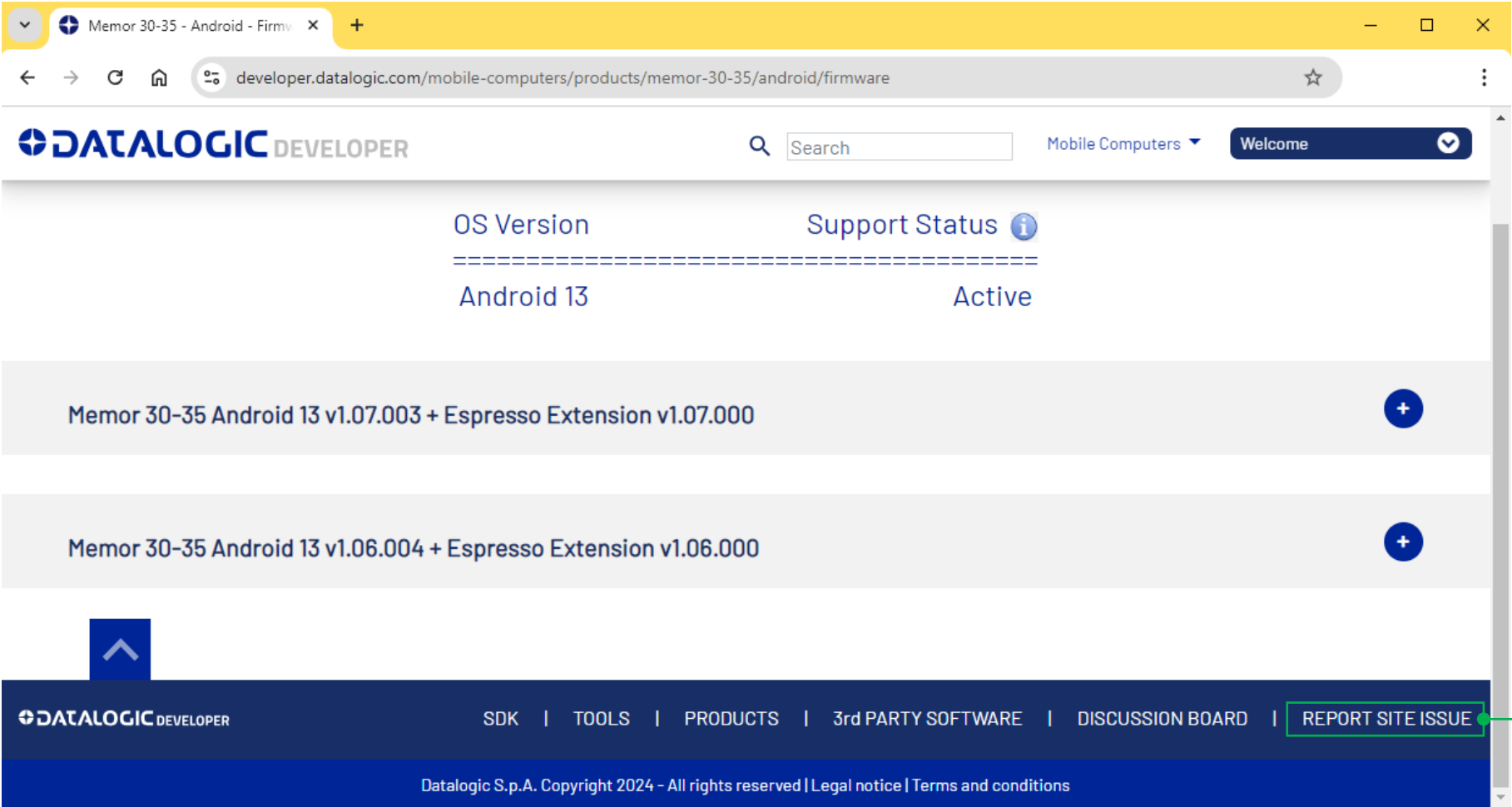
THANK YOU

This presentation contains statements that are neither reported financial results nor other historical information. These statements are forward-looking statements. These forward-looking statements rely on a number of assumptions and are subject to a number of risks and uncertainties, many of which are outside the control of Datalogic S.p.A., that could cause actual results to differ materially from those expressed in or implied by such statements, such as future market conditions, currency fluctuations, the behavior of other market participants and the actions of governmental and state regulators

Datalogic S.p.A.
Via Candini, 2 - 40012 Lippo di Calderara di Reno - Bologna (Italy)
Tel. +39 051 3147011 | Fax +39 051 3147205
corporate@datalogic.com
www.datalogic.com

DATALOGIC
EMPOWER YOUR VISION