

Windows Image Inventory [ET6x Product Line]

Board Support Package : ET6X-WIN11PRO-091924_Z1.1_BSP

| Operating System Supported | | | | Windows 11 Professional |
|--------------------------------------|--|-------------------|---------------------------------|---|
| Supported Versions* | | | | 21H2-22H2-23H2-24H2 |
| Supported Builds* | | | | 10.0.22000, 10.0.22621, 10.0.22631 |
| Hardware Components | Inf Install Drivers | Versions | Recommended Installation Method | Platform Development Notes |
| Requires Smartcard Reader Hardware | Identiv Smartcard Reader | 01.11.00.00 | pnp | <p style="text-align: center;">SCCM installs Recommend installing INFs via task sequence using Apply Driver Package https://learn.microsoft.com/en-us/mem/configmgr/osd/understand/task-sequence-steps#BKMK_ApplyDriverPackage</p> <p style="text-align: center;">MDT installs Recommend below task sequence driver injection setting for MDT task sequence.</p> <p style="text-align: center;">Note: your Selection Profile may have different name.</p> <p style="text-align: center;">This note is a recommendation for all Inf Install Drivers</p> <div style="border: 1px solid #ccc; padding: 5px; margin: 10px auto; width: fit-content;"> <p style="margin: 0;">Choose a selection profile:</p> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 5px;">All Drivers</div> <p style="margin: 0;"><input type="radio"/> Install only matching drivers from the selection profile</p> <p style="margin: 0;"><input checked="" type="radio"/> Install all drivers from the selection profile</p> </div> |
| Core Component | Intel Chipset Driver (Meteor Lake) | 10.1.47.12 | pnp | |
| Core Component | Intel Dynamic Tuning Technology | 9.0.11700.43962 | pnp | |
| Core Component | Intel GNA Scoring Accelerator module | 3.5.0.1578 | pnp | |
| Core Component | Intel Graphics | 32.0.101.5542 | pnp | |
| Core Component | Intel HID Event Filter | 2.2.2.10 | pnp | |
| Core Component | Intel Integrated Sensor Solution | 5.8.0.8 | pnp | |
| Core Component | Intel Innovation Platform Framework Extensible Framework | 2.2.10001.3 | pnp | |
| Core Component | Intel Management Engine Interface | 2407.6.1.0 | pnp | |
| Core Component | Intel Neural Processing Unit (NPU) | 32.0.100.2540 | pnp | |
| Core Component | Intel Platform Monitoring Technology (PMT) | 3.1.2.6 | pnp | |
| Core Component | Intel Serial IO (GPIO, I2C, SPI, UART) | 30.100.2405.44 | pnp | |
| Core Component | Intel Smart Sound Technology | 20.40.11032.0 | pnp | |
| Core Component | Intel Wireless Bluetooth | 23.60.0.1 | pnp | |
| Core Component | Intel Wi-Fi 7 BE200 320MHz | 23.60.1.2 | pnp | |
| Core Component | Intel Ethernet Connection I219-LM | 20.0.2.19 | pnp | |
| Core Component | Intel TGL AVStream Camera (IPU) | 64.26100.13.16938 | pnp | |
| Core Component | Rear Camera Sensor OV13B10 (IPU) | 9.9.28.271 | pnp | |
| Requires Fingerprint Reader Hardware | FPC Fingerprint Reader | 30.34.1.23 | pnp | |
| Core Component | PAC193x Energy Metering Device | 16.37.16.483 | pnp | |
| Core Component | Intel Wireless CCD | 7.1.100.49 | pnp | |
| Requires NFC Hardware | NxpNfcClient Driver | 14.0.2.0 | pnp | |

*****INF Drivers Integration Notes*****

Install During Operating System Deployment (OSD)

Common INF processing is to import and apply INFs via plug and play (PNP) via SCCM, MDT, or similar Mobile Device Management (MDM) solution. Both of the deployment solutions mentioned use DISM to inject the drivers, then on first boot, the OS performs Plug and Play Device Enumeration to integrate the drivers into the operating system. See Platform Development Notes.

Install All Inf Drivers (Post OSD)

If OS image already deployed, a post-install script has been provided below.
To Silently install ALL Inf drivers, execute the .\Package\INF_pkg\silent-setup.cmd file as Administrator
Execute the above command file as ADMIN to install ALL Inf drivers

*Note Installing using this method, suggest to run silent-setup.cmd 2 times to completely integrate, then followed by a system reboot.

Install Single Inf Driver (Post OSD)

To Install individual driver separately, locate the sub-folder and run silent-setup.cmd as ADMIN within the sub-folder
Example: to install Bluetooth, navigate to .\Package\INF_pkg\Intel_Bluetooth folder, and execute .\Package\INF_pkg\Intel_Bluetooth\silent-setup.cmd

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| Driver Usage | Silent Install Drivers | Versions | Silent Install Command | Platform Development Notes |
|----------------------------------|--|---|------------------------|--|
| Requires Barcode Reader Hardware | Barcode_Reader-EnableSelectiveSuspend | Not Applicable | silent-setup.cmd | Scripting auto detects device presence, installs if hardware detected. Enables Selective Suspend for Barcode Scanner |
| Core Component | Realtek High Definition Audio Driver | 6.0.9706.1 | silent-setup.cmd | Scripting auto detects device presence, installs if hardware detected |
| Optional | Realtek Hardware Support Application | 11.0.6000.337 | silent-setup.cmd | |
| Recommended | Realtek Audio Effects Component | 13.0.6000.1167 | silent-setup.cmd | |
| Recommended | Fortemedia Audio Effects Component | 12.1.6003.6019 | silent-setup.cmd | |
| Optional | Fortemedia APO Control (Noise Cancellation) | 1.0.10.0 | silent-setup.cmd | |
| Requires Dock Hardware for Usage | USB-to-Serial (Dock) | 1.3.0.4 | silent-setup.cmd | Required (if using Dock Serial port) Creates a USB to serial connection via the dock serial port. |
| Requires WWAN Hardware for Usage | Quectel RM520-5G WWAN WWAN Carrier Firmware: Default: RM520NGLAAR03A03M4G_05.203.05.203 Verizon: RM520NGLAAR03A20M4G_05.202.05.202 Quectel PCI Express Generic Mobile Broadband Adapter Quectel Wireless Location Sensor Quectel QMUX Interconnect Quectel UDE Device HighSpeed USB Composite Device(UDE) | 1.0.3.4 driver pkg 1.3.0.3 (in-box) 1.3.0.2 1.3.0.3 1.3.0.3 1.0.0.3 | silent-setup.cmd | Required (if using WWAN module) installs if hardware detected |

Silent Install Drivers and Silent Install Apps Integration Notes

To Silent Install ONLY Silent Install Drivers (shown above)

Root Folder: .\Package\SilentInstalled\SilentInstall_Drivers\silent-setup.cmd
Execute the above command file as ADMIN to install only SilentInstall_Drivers

To Silent Install ONLY Silent Install Apps (shown below)

Root Folder: .\Package\SilentInstalled\SilentInstall_Apps\silent-setup.cmd
Execute the above command file as ADMIN to install only SilentInstall_Apps

To Silent Install ALL Silent Install Drivers + Silent Install Applications

Root Folder: .\Package\SilentInstalled\silent-setup.cmd
Execute the above command file as ADMIN to install SilentInstall_Drivers + SilentInstall_Apps

| Application Usage | Silent Install Applications | Versions | Silent Install Command | Application Description |
|------------------------|--------------------------------|-----------|------------------------|--|
| Recommended | Zebra Control Hub | 1.0.6 | silent-setup.cmd | Enables programmable keys mapping, battery modes, Tablet Usage mode, Display mode, Performance Mode, Flash Light, Logging, etc. |
| Optional | Zebra Cordless Scan To Connect | 4.02.0007 | silent-setup.cmd | The Cordless Scan-To-Connect app enables a Bluetooth scanner to pair directly to a PC/tablet/phone by scanning an on-screen barcode, replacing the need for a paper pairing label. This paperless pairing solution wirelessly connects the scanner directly to the host, without the need of a cradle. Once a scanner and host are paired, no repairing (rescanning of the Scan-To-Connect pairing bar code) is required, even upon device wake up, assuming auto-reconnect has been enabled. Scan to Connect Barcode Scanning Software Zebra |
| Requires RFID Hardware | Zebra_123RFID_Desktop | 3.0.0.9 | silent-setup.cmd | Simplifies RFID usage. 123RFID Desktop Zebra |

Note * : Microsoft Deployment Toolkit (MDT) build was successfully run for all Windows 11 OS revisions starting from Windows version 21H2 to 24H2.

Note **: Package updates noted above in blue.

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| Usage | Utilities | Versions | Silent Install Command | Platform Development Notes |
|----------------------------------|--|-----------------|------------------------|--|
| Requires Barcode Reader Hardware | Barcode_Reader-EnableSelectiveSuspend | Not Applicable | silent-setup.cmd | Scripting auto detects device presence, installs if hardware detected. Enables Selective Suspend for Barcode Scanner |
| Requires Barcode Reader Hardware | Zebra_123Scan | 6.00.0021 | NA | <ul style="list-style-type: none"> 123Scan is an easy-to-use, PC-based software tool that enables the quick and easy set-up of Zebra USB scanners. This is the single utility you will need to set up your Zebra scanner. 123Scan's wizard makes scanner configuration and every step of deployment incredibly easy. 123Scan will automatically detect your USB data capture devices and then guide you through programming from start to finish. <p>Use it to update scanner firmware, stage a large number of devices and display barcode data and images, as well as generate reports. 123Scan Utility Support & Downloads Zebra</p> |
| Requires Barcode Reader Hardware | Zebra_CoreScanner_Driver | 3.07.0050 | NA | <p>A Windows service and a Linux daemon that enables the communication between a Zebra scanner and an application created with the Windows and Linux SDKs. The CoreScanner is required for OPOS, JPOS and remote management (Scanner Management Service - SMS) communication. CoreScanner Driver Support & Downloads Zebra</p> |
| Requires Barcode Reader Hardware | Zebra_Scanner_Management_Service | 4.02.0015 | NA | <p>The Scanner Management Service (SMS) enables your enterprise to remotely manage its Zebra scanners. In addition to accessing asset tracking information and statistics, the SMS (which runs on the scanner's host PC) can remotely set parameters and update firmware. Providing your enterprise maximum flexibility, the SMS can operate in an automated, unattended manner with no operator intervention required. Scanner Management Service for Windows Support & Downloads Zebra</p> |
| Requires Barcode Reader Hardware | Zebra_Scanner_SDK | 3.06.0038 | NA | <p>The Zebra Scanner Software Developer Kit (SDK) defines an architectural framework providing a single programming interface across multiple programming languages (such as MS .NET, C++, Java) and across multiple system environments (such as Windows and Linux) for all scanners communication variants (such as IBMHID, SNAPI, HIDKB, Nixdorf Mode B, etc.).</p> <p>The Zebra Scanner SDK includes a suite of components that provides a unified software development framework with a wide range of functions for interfacing Zebra scanners to user applications and solutions.</p> <p>With this SDK you can read bar codes, manage scanner configurations, capture images/videos and selectively choose a list of scanners on which to work. While one application is in one programming language using a scanner or a set of scanners, another application in a different language can be used differently within the same system environment. Scanner SDK for Windows - About - Zebra Technologies</p> |
| Requires Intel VPro Hardware | Intel Converged Security and Management Engine (CSME) Intel Management and Security Status Application (IMSS) | IMSS 2405.6.0.0 | NA | <p>Intel CSME: Intel® Converged Security and Management Engine (Intel® CSME) Security Technical White Paper Intel(R) CSME SW Installation Guide.pdf</p> <p>Intel IMSS: A software application that provides an interface for the user to observe and understand the status of various features provided by Intel Management Engine Intel(R) MSS User Guide.pdf</p> |