

Release Note for Marvell B0 CPU

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Overview

Several products from Cisco are going through a transition to a newer version of Marvell CPU. The products from the Industrial IoT space are moving from CPU revision A0 to revision B0.

With this transition, there will be some older versions of Cisco IOS XE that will not support the new B0 CPU. This release note will show details on how to determine what version of CPU you have, and the supported software images.

Identifying Your CPU Revision

There are two ways to determine what version of CPU your product is running on:

- Visual examination of the product label
- Through the command line interface

To check for your revision of CPU using the product label, look for the VID which starts with a "V". The following example is from an IR1101:

Figure 1: Label on the Device

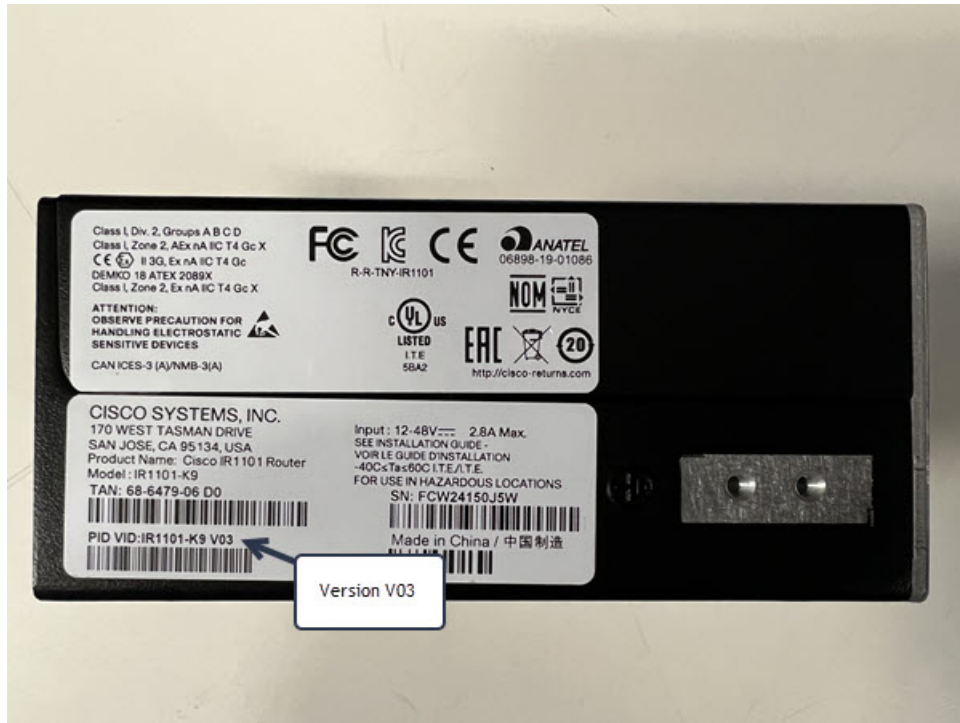


Figure 2: Label on the Box



The V03 label indicates that this product has the B0 CPU. See the [Platform Matrix, on page 4](#) for the VID for each product updated with the B0 revision CPU.

To check for your version of CPU using the CLI, use the **show inventory** command.



Note Refer to the [Platform Matrix, on page 4](#) for the VID using the B0 CPU.

The following example is from an IR1101:

```
IR1101#show inventory

+++++
INFO: Please use "show license UDI" to get serial number for licensing.
+++++

NAME: "Chassis", DESCR: "IR1101 Base Chassis"
PID: IR1101-K9          , VID: V06  , SN: FCW2526P03S

NAME: "Module 0 - Mother Board", DESCR: "Cisco IR1101 motherboard"
PID: IR1101-K9          , VID: V06  , SN: FOC25223BJE

NAME: "module subslot 0/0", DESCR: "IR1101-ES-5"
PID: IR1101-ES-5       , VID: V01  , SN:

NAME: "module subslot 0/1", DESCR: "P-LTE-VZ Module"
PID: P-LTE-VZ          , VID: V02  , SN: FOC241506YK

NAME: "Modem on Cellular0/1/0", DESCR: "Sierra Wireless WP7601"
PID: WP7601            , VID: 10000, SN: 355731080158109
```

The following example is from an ESR6300:

```
ESR6300#show inventory

+++++
INFO: Please use "show license UDI" to get serial number for licensing.
+++++

NAME: "Chassis", DESCR: "Embedded Services Router with 2 Gigabit Ethernet routed ports,4
Gigabit Ethernet switched ports, with cooling plate"
PID: ESR-6300-CON-K9   , VID: V02  , SN: FOC233501BQ

NAME: "Power Supply Module 0", DESCR: "External Power Supply Module"
PID: PWR-12V           , VID:      , SN:

NAME: "module 0", DESCR: "Cisco ESR-6300-CON-K9 Fixed and pluggable Interface Module
controller"
PID: ESR-6300-CON-K9   , VID:      , SN:

NAME: "NIM subslot 0/1", DESCR: "ESR-6300-ES-4"
PID: ESR-6300-ES-4     , VID: V01  , SN:

NAME: "NIM subslot 0/0", DESCR: "Front Panel 2 port Gigabitethernet Module"
PID: ESR-6300-2x1GE     , VID: V01  , SN:

NAME: "module R0", DESCR: "Cisco ESR-6300-CON-K9 Route Processor"
PID: ESR-6300-CON-K9   , VID: V02  , SN: FOC254001M2

NAME: "module F0", DESCR: "Cisco ESR-6300-CON-K9 Forwarding Processor"
PID: ESR-6300-CON-K9   , VID:      , SN:
```

Platform Matrix

The following table provides details on the Cisco IIoT devices using the B0 CPU.

Table 1: Platform Matrix

Platform	Date of CPU Transition	VID	IOS XE Version Supported
IR1101 Series	December 2022	V08	17.1.x and later
ESR6300 Series	December 2022	V04	17.6.1a CCO 08/24/2021 17.6.2 CCO 11/26/2021 17.7.1 CCO 12/07/2021 17.8.1 CCO 4/6/2022
IRMH-SUP-SP (CPU module for IR8140H)	December 2022	V03	17.6.1a CCO 08/24/2021 17.6.2 CCO 11/26/2021 17.7.1 CCO 12/07/2021 17.8.1 CCO 4/6/2022
IR1800 Series	December 2022	V02	17.6.1a CCO 08/24/2021 17.6.2 CCO 11/26/2021 17.7.1 CCO 12/07/2021 17.8.1 CCO 4/6/2022
IXM-LPWA-900-16-K9 IXM-LPWA-800-16-K9	October 2022	V02	LoRaWAN Release 2.3.0 and 2.3.1
IR510 Series	October 2022	V02	IOx release 1.10.0