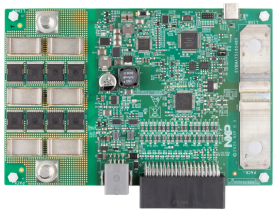
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1. Out of the Box

NXP analog product development boards provide an easy-to-use platform for evaluating NXP products. The boards support a range of analog, mixed-signal and power solutions. They incorporate monolithic integrated circuits (ICs) and system-in-package (SiP) devices that use proven high-volume technology. NXP products offer longer battery life, a smaller form factor, reduced component counts lower cost, and improved performance in powering state-of-the-art systems.

This page guides you through the process of setting up and using the EVBMA7518S48V evaluation board (EVB).

1.1 Kit Contents

The EVBMA7518S48V kit contents include:

- EVBMA7518S48V reference design board
- Battery simulation cable with cell simulation board x 1-power supply for battery cell controller (BCC) (simulates each cell using series resistors)
- Communication cable x 1 supports controller area network (CAN) communication and external charger monitor
- USB Type-C cable x 1 to communicate with controller PC

☐ **Mark as complete:** 1.1 Kit Contents

1.2 Additional Hardware

No additional hardware is required for device evaluation. However, in addition to the kit contents, the following hardware is beneficial when working with this kit:

- Power supply 48 volts direct current (VDC) with current capability of 500 mA or a 4-to-18-cell battery pack
- USB Multilink FX debug probe

☐ **Mark as complete:** 1.2 Additional Hardware

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1.3 Minimum System Requirements

When working with the EVB, you will need a Windows PC workstation with one of the following operating systems:

- Windows 11/10/8/7, Windows XP or Vista in 32-bit or 64-bit version.

☐ **Mark as complete:** 1.3 Minimum System Requirements

() Next
Get the Hardware ›

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1.1 Kit Contents

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