# VIP-M07-ADIS

## M0-7 expansion board

Data brief

## Features

- 4 soldered M0-7 high side drivers:
  - 1 VND7020AJ
  - 2 VND7012AY
  - 1 VNQ7050AJ
- Board size 100 x 55 mm
- Two extension headers (2 x 36 pin - 100 mil) for quick connection to SPC560B-DIS discovery board
- Controllable by dedicated GUI for HSD or for H-Bridge available on *www.st.com*
- Free ready to run application firmware availabe on *www.st.com*, to support quick evaluation and development

## Description

The VIP-M07-ADIS board enables you to drive a complete car front light by using M0-7 devices by connecting it to the SPC560B-DIS discovery board, application firmware examples and available GUI.

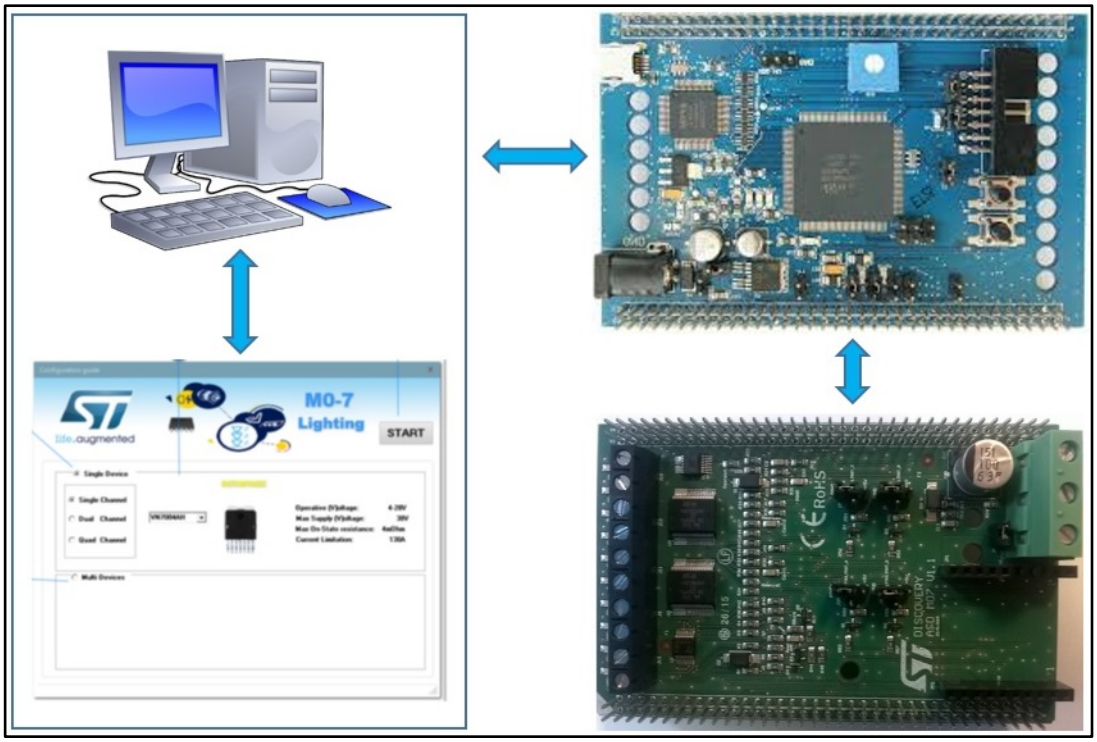
**Table 1: Device summary**

| Order code | Reference |
|---|---|
| VIP-M07-ADIS | M0-7 expansion board |

# 1 System requirements

- *Windows PC (2000, XP, Vista, 7)*
- *USB type A to mini-B cable*
- *SPC560B-DIS discovery board*
- *VIP-M07-ADIS board*

**Figure 1: Snapshot of the GUI**



# 2 Hardware configuration

VIP-M07-ADIS can be sold stand alone or with microcontroller discovery board SPC560B-DIS. For more information, please refer to ST website *www.st.com*.

# 3 GUI

GUI is available to control the entire system, that is to say SPC560B-DIS Discovery board connected with the VIP-M07-ADIS application board. For more information, and download of the latest version available, please refer to ST web *www.st.com*.

**Figure 2: Gui interface**

# 4 Demonstration software

Firmware is available for easy demonstration. For more information, and download of the latest version available, please refer to ST web.

# 5 Revision history

**Table 2: Revision history**

| Date | Revision | Changes |
|---|---|---|
| 18-Nov-2015 | 1 | Initial release. |
| 20-Apr-2016 | 2 | Updated Features and Description. Added *Section 2: "Hardware configuration"* |
| 24-Mar-2017 | 3 | Updated *Section 2: "Hardware configuration"* and *Section 3: "GUI"* |

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