

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 available 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.

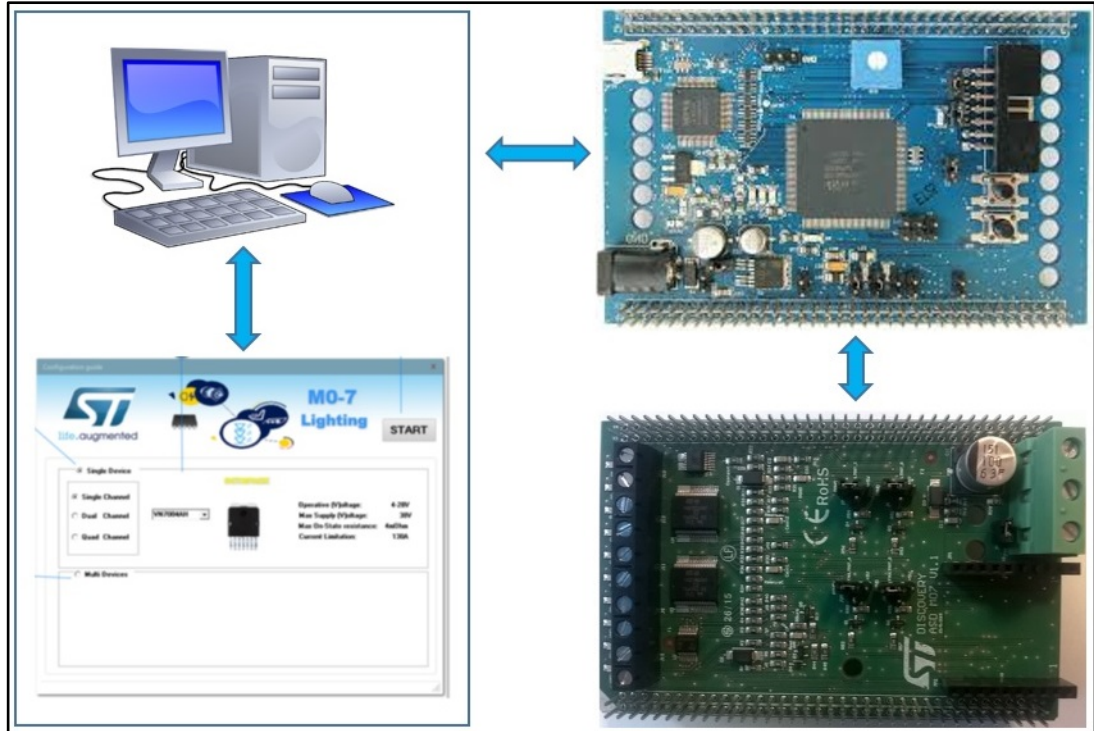
Table 1: Device summary

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"