
Keysight B2900B Series Precision Source / Measure Units (SMU)

FPGA 12.41 (12.42) Update Instruction

This is an Instruction Sheet for B2900B Series. More details about this product can be obtained at : [B2900 Precision/Source/Measure Units | Keysight](#)

Notices

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Manual Part Number

B2900-90930

Edition

Edition 1, March 2024

Printed in Japan/Malaysia

Published by:

Keysight Technologies, Inc.

9-1 Takakura-machi, Hachioji-shi, Tokyo

Japan, 192-8550

Preparation

1. Confirm if your unit needs this FPGA upgrade or not, by referring to the affected unit serial number information below. If your unit is not in the table, you do not need to install this.
2. Prepare a Windows PC with the following software and hardware
 - Windows 10
 - Keysight IOLS 2019 (18.1.24130) or later
 - Interface to connect PC to Keysight B2900B/B2900BL such as USB/GP-IB/LAN (for example, Keysight 82357B USB/GPIB Interface)
3. Visit the below K.com website and download the **FpgaUpdate588451.exe** to your PC.

[B2900B Instrument Firmware/Software Update](#)

Procedure

1. Connect PC to B2900B. (for example by 82357B USB-GPIB Interface)
2. Start Keysight Connection Expert
3. Execute the following downloaded file.
(this execution completes unattended and may take about 1 hour 50 minutes)

FpgaUpdate588451.exe

4. When finished, confirm the SMU/FPGA revision is **12.41** or **12.42** by pressing the Front Panel Function key as follows.

More... > System > More... > Info. > Revision

NOTE: The SMU/FPGA revision is displayed as follows for the channel 1 and 2, respectively.

SMU/FPGA revision (1) : 12.xx

SMU/FPGA revision (2) : 12.xx

NOTE: This update tool automatically detects if your B2900B needs the update. And if confirmed unnecessary, it skips the update and will finish in less than 10 seconds.

Affected Unit Information

B2901B

MY63320102	-	MY63320108
MY63320118	-	MY63320121
MY63320128	-	MY63320158
MY63320160	-	MY63320180
MY63320185	-	MY63320186
MY63320188	-	MY63320193
MY63320196	-	MY63320197

B2901BL

MY63320101	-	MY63320128
MY63320130	-	MY63320157
MY63320160	-	MY63320163
MY63320165		
MY63320167		
MY63320169	-	MY63320170

B2902B

MY63320101	-	MY63320107
MY63320109		
MY63320113	-	MY63320148
MY63320155		
MY63320157	-	MY63320161
MY63320165	-	MY63320212
MY63320215	-	MY63320220
MY63320234	-	MY63320236
MY63320239	-	MY63320240
MY63320242	-	MY63320245
MY63320248	-	MY63320273
MY63320275	-	MY63320294
MY63320296	-	MY63320318
MY63320320	-	MY63320334
MY63320338		
MY63320341	-	MY63320341
MY63320343	-	MY63320343
MY63320363	-	MY63320365

B2910BL

MY63320101	-	MY63320114
MY63320116	-	MY63320117
MY63320119	-	MY63320121
MY63320123	-	MY63320129
MY63320131	-	MY63320181

B2911B

MY63320181
MY63320183
MY63320185 - MY63320193
MY63320195 - MY63320196
MY63320201
MY63320204

B2912B

MY63320101
MY63320103
MY63320106 - MY63320110
MY63320111 - MY63320126
MY63320136 - MY63320183
MY63320185 - MY63320191
MY63320193 - MY63320199
MY63320201 - MY63320202

End of document.