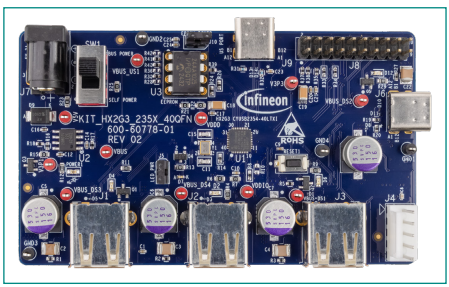
QUICK START GUIDE

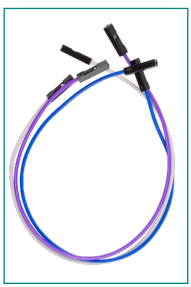
EZ-USB™ HX2G3 Development Kit

KIT_HX2G3_235X_40QFN

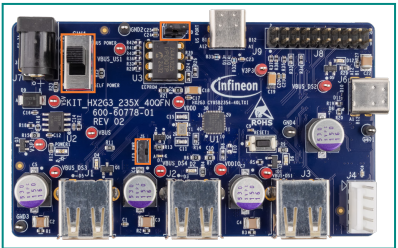
Kit contents

1. EZ-USB™ HX2G3 DVK
2. USB-C cable
3. Jumpers
4. EZ-USB™ HX2G3 programmer dongle




www.infineon.com/HX2G3



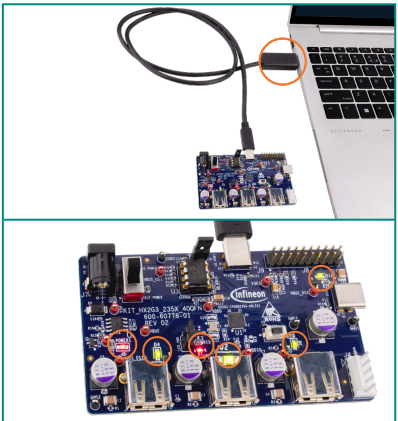
1 Device configuration

Before you start

Ensure that jumpers and switch configuration are set to the following:

Step 1: Device configuration

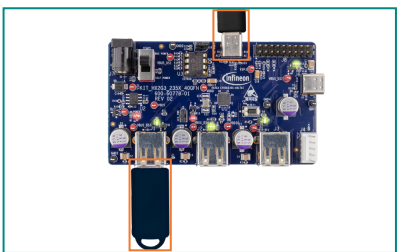
Jumper	State
J5	Mount jumper
J10	Mount jumper
SW1	Bus power mode



2 Connecting EZ-USB™ HX2G3 board to PC/Laptop

Step 2: Connecting EZ-USB™ HX2G3 board to PC/Laptop

Connect one end of the Type-C cable to the Upstream port (J9) of the DVK and the other end to the host controller of the PC/Laptop running Windows or Mac Operating system. Red power LED (POWER1), Red suspend LED (D7) and Green Downstream LEDs (D2, D4, D6, D12) will glow to indicate that the VBUS of all the four DS ports are turned on.

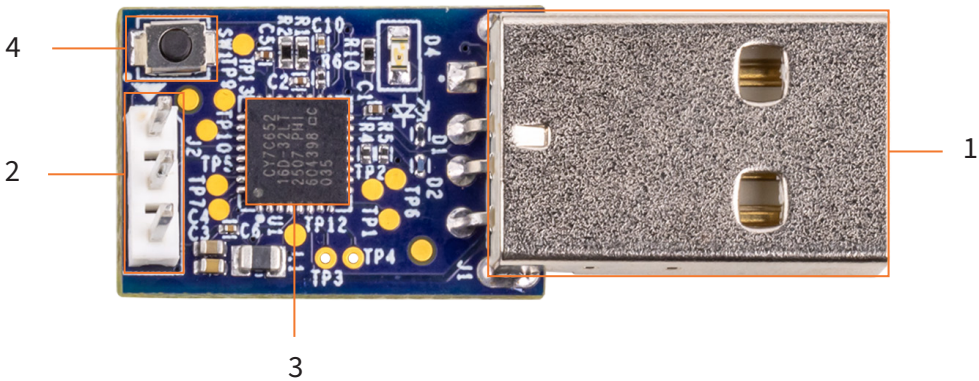


3 Flash drive connected to one of the DS ports

Step 3 : Connecting device on the Downstream port

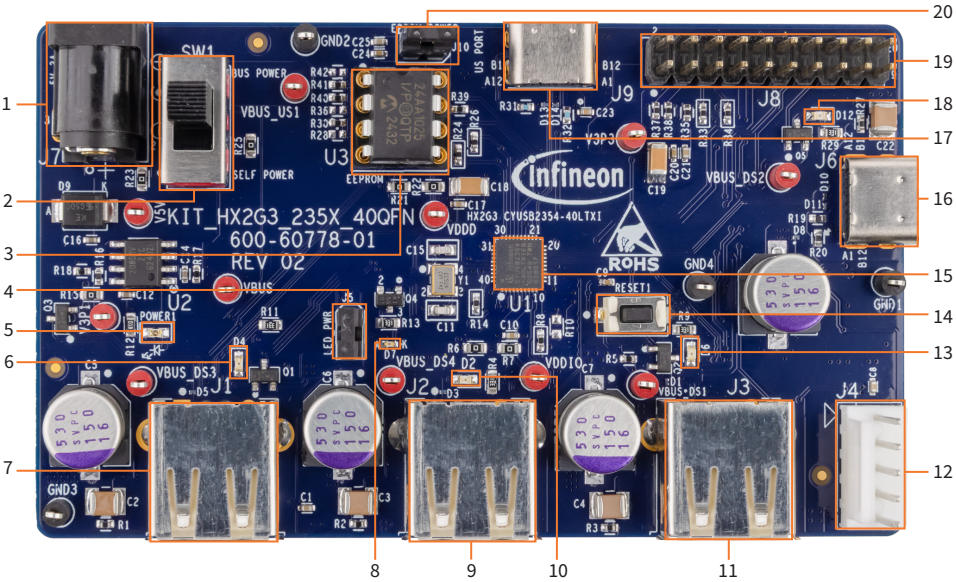
Connect any device on the Downstream (DS) port of the hub. The hub is now ready for complete functional testing and for any configurations.

HX2G3_PROG_DONGLE board details (top view)



1	Type-C plug (J1)	3	USB TO SERIAL BRIDGE (CY7C65216D-32LTXI - U1)
2	I2C header (J2)	4	Reset switch (SW1)

EZ-USB™ HX2G3 board details (top view)



1	5V DC jack (J7)	11	Downstream Port 1 (J3)
2	Bus/self-power switch (SW1)	12	SWD header (J4)
3	I2C EEPROM (U3)	13	DS1 power LED (D6)
4	LED power header (J5)	14	Reset switch (RESET1)
5	Power LED (POWER1)	15	HX2G3 Silicon (CYUSB2354-40LTXIES - U1)
6	DS3 power LED (D4)	16	Downstream Port 2 (J6)
7	Downstream Port 3 (J1)	17	Upstream Port (J9)
8	Suspend LED (D7)	18	DS2 power LED (D12)
9	Downstream Port 4 (J2)	19	GPIO header (J8)
10	DS4 power LED (D2)	20	I2C EEPROM power header (J10)

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