

GUI Screen Interface

Main Screen



Commonly used board level commands and utilities. These are (from left to right) Auto Populate Devices, Read register from all devices, Collapse tree view, create new board design, Open board design, Save board design, Linear format calculator, Clear i2c and PMBus faults, Multi Device Programmer, i2c scan address and bus speed, Inductor and capacitor ripple simulator, IC Designer Login, Firmware Update.

The screenshot displays the main interface of the Infineon GUI. At the top, a toolbar contains icons for various functions like 'Read All', 'Collapse tree view', 'Create new board design', etc. The left sidebar shows a 'Device tree manager' with a tree structure for 'XDPE132G5C::i2c x10', including 'Loop 1::pmb x40' and 'Loop 2::pmb x40'. The main area shows system status for 'XDPE132G5C', including 'Total Pout : 54.99 W'. Below this, there are two sections for 'Loop 1' and 'Loop 2', each displaying input/output voltages, currents, and temperatures. At the bottom, a status bar shows connection details like 'HW : USB005A', 'FW : v55.0', '3.3V', '100 KHz', '153 Days', 'Online Mode', and 'Ready'.

Device tree manager

Common system status, device part number, and telemetry.
Read input voltage, input current, IC bias supply (typically 3.3V), output voltage, total output current, temperature, loop power on/off indicator.

USB connection status
Dongle hardware status
Dongle firmware version
Communication Voltage Level
I2C/PMBus speed
License expiration days left
PMBus Online/Offline Mode
GUI status/message

Loop 1	
11.9V	0.782V
4.9A	68.00A
3.2V	47°C

Loop 2	
11.9V	0.800V
0.0A	2.25A
3.2V	45°C

HW : USB005A FW : v55.0 3.3V 100 KHz 153 Days Online Mode Ready

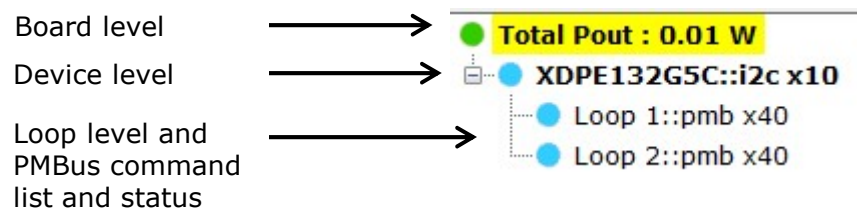
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Device Manager



Device manager is a tree level tree view structure – board level, device level, and loop level. When you add a new device, it will be attached under the board level. Depending on the number of loops and PMBus capability, the loop level will be automatically created under the device.

The device manager tree can be automatically populated by clicking on the **Auto Populate Devices** button, when connecting for the first time.



The colored dot in the device manager has different meaning.

Board Level:

- **System faults or alarms**
- **No faults or alarms**

Device Level:

- **i2c bus good**
- **Device ID mismatch**
- **No i2c device detected at the address**

Loop Level:

- **PMBus good**
- **Device ID mismatch**
- **No PMBus device detected at the address**