

SaFariPark/MultiSFP manual

Vincent van Beveren

May 10, 2017

1 Introduction

2 MultiSFP

3 SaFariPark

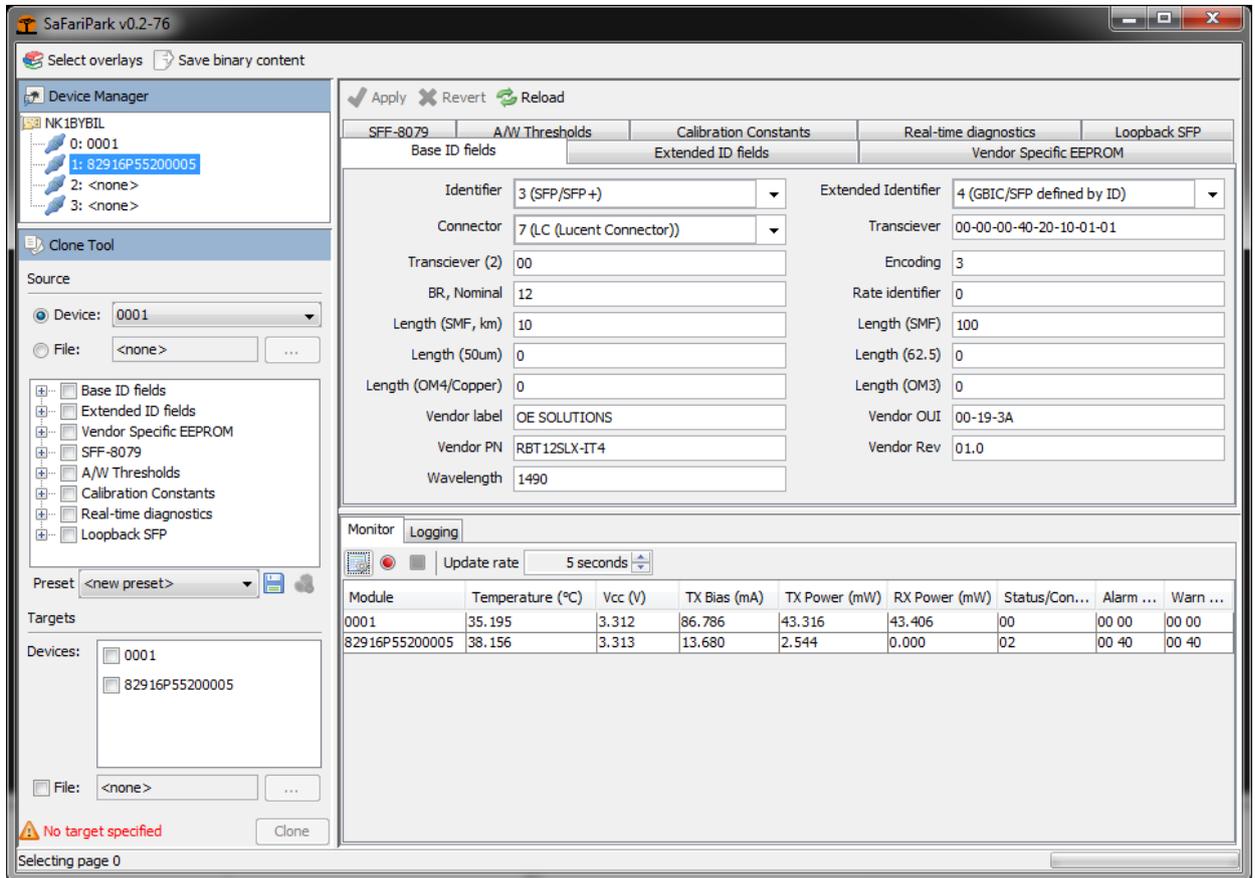


Figure 3.1: Start up screen of SaFariPark

SaFariPark is the main GUI application for reading, calibrating and configuring SFP modules. When loaded a window should appear as presented in Figure 3.1. All connected MultiSFP devices are listed in the device manager top right. Each bay shows the connection state and if a module is placed, the part identifier and serial number.

3.1 Viewing and editing the SFP module contents

SaFariPark shows, in the edit pane, a higher overview of the content loaded inside the SFP module.

Apply
 Revert
 Reload

A/W Thresholds	Calibration Constants	Real-time diagnostics	Maxim DS1856M	Loopback SFP
Base ID fields	Extended ID fields	Vendor Specific EEPROM	SFF-8079	

<p>Options <input type="text" value="10-7A"/></p> <p><input type="checkbox"/> Linear Receiver Output Implemented</p> <p><input type="checkbox"/> Power Level Declaration</p> <p><input type="checkbox"/> Cooled Transceiver declaration</p> <p><input type="checkbox"/> Retimer or CDR</p> <p><input checked="" type="checkbox"/> Paging implemented</p> <p><input type="checkbox"/> High Power Level Declaration</p> <p><input checked="" type="checkbox"/> Loss of Signal implemented</p> <p><input type="checkbox"/> Signal Detect Implemented</p> <p><input checked="" type="checkbox"/> TX_FAULT signal implemented.</p> <p><input checked="" type="checkbox"/> TX_DISABLE is implemented</p> <p><input checked="" type="checkbox"/> RATE_SELECT functionality is implemented</p> <p><input checked="" type="checkbox"/> Tunable transmitter technology</p> <p><input type="checkbox"/> Receiver decision threshold implemented</p>	<p>Mon Type <input type="text" value="60"/></p> <p><input type="checkbox"/> Address change required</p> <p><input type="checkbox"/> Received power is average</p> <p><input type="checkbox"/> Externally Calibrated</p> <p><input checked="" type="checkbox"/> Internally Calibrated</p> <p><input checked="" type="checkbox"/> Digital Diag Implemented</p>
BR Max <input type="text" value="0"/>	BR Min <input type="text" value="0"/>
Vendor SN <input type="text" value="Virtual_1"/>	Date Code <input type="text" value="16011400"/>

Figure 3.2: The editor

4 Appendices

4.1 Overlay XML description