



BCM55153 DPU

Application Note

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Introduction

The purpose of this document is to help customers build a DPU image for the BCM55153 platform using GA release.

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Required Source

The following tarballs from release are required to build the DPU profile:

- bcm963xx_XXX_data_full_release.tar
- bcm963xx_XXX_data_gfast_src.tar
- bcm963xx_XXX_data_xpon.tar

Additional source files required outside of general release:

- DSL PHY and driver for the BCM55153:

```
<>/bcmdrivers/broadcom/char/adsl/impl1/adslcore63158CO/  
<>/bcmdrivers/Broadcom/char/adsl/impl/hmimg/
```

- Sample build profile:

```
<>/targets/955153DPU/955153DPU
```

955153 DPU Setup

1 WAN/PON setup

NVRAM needs to be set based on the applicable GPON.

XGS-PON

```
#pspctl set RdpaWanType XGS  
#pspctl set WanRate 1010
```

GPON

```
#pspctl set RdpaWanType GPON  
#pspctl set WanRate 0101
```

2 DSL Connection

In DPU mode, the XTM driver creates the default layer2 PTM interface, such that after training and showtime, the link is ready for data traffic.

3 System Configuration

System configuration should be done through OMCI & HMI interface as per customer requirement.

Revision History

BCM55153_DPU_App_Note-R, July 26, 2019

- Initial release

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