# SAI\_PORT\_ATTR\_MEDIA\_TYPE

Adapter Host can use SAI\_PORT\_ATTR\_MEDIA\_TYPE port attribute to notify SAI about the optics presence and type; which is needed for configuring Optics specific NPU configuration like Interface Type, SW RxLOS(BCM specific), Pre-emphasis,, etc.

Insertion: SAI\_PORT\_ATTR\_MEDIA\_TYPE should be set to one of the optics type in sai\_port\_media\_type\_t;

Removal: SAI\_PORT\_ATTR\_MEDIA\_TYPE should be set to SAI\_PORT\_MEDIA\_TYPE\_NOT\_PRESENT.

/\*

\* Attribute data for SAI\_PORT\_ATTR\_MEDIA\_TYPE

\*/

typedef enum \_sai\_port\_media\_type\_t

{

SAI\_PORT\_MEDIA\_TYPE\_NOT\_PRESENT,

SAI\_PORT\_MEDIA\_TYPE\_UNKNONWN,

SAI\_PORT\_MEDIA\_TYPE\_QSFP\_FIBER,

SAI\_PORT\_MEDIA\_TYPE\_QSFP\_COPPER,

SAI\_PORT\_MEDIA\_TYPE\_SFP\_FIBER,

SAI\_PORT\_MEDIA\_TYPE\_SFP\_COPPER,

} sai\_port\_media\_type\_t;

/\*

\* Attribute Id in sai\_set\_port\_attribute() and

\* sai\_get\_port\_attribute() calls

\*/

typedef enum \_sai\_port\_attr\_t

{

/\* WRITE-ONLY \*/

 /\* Media Type [sai\_port\_media\_type\_t]\*/

   SAI\_PORT\_ATTR\_MEDIA\_TYPE,

/\* -- \*/

/\* Custom range base value \*/

SAI\_PORT\_ATTR\_CUSTOM\_RANGE\_BASE = 0x10000000

} sai\_port\_attr\_t;