

**NAME**

`ibv_rate_to_mult` - convert IB rate enumeration to multiplier of 2.5 Gbit/sec

`mult_to_ibv_rate` - convert multiplier of 2.5 Gbit/sec to an IB rate enumeration

**SYNOPSIS**

```
#include <infiniband/verbs.h>
```

```
int ibv_rate_to_mult(enum ibv_rate rate);
```

```
enum ibv_rate mult_to_ibv_rate(int mult);
```

**DESCRIPTION**

`ibv_rate_to_mult()` converts the IB transmission rate enumeration *rate* to a multiple of 2.5 Gbit/sec (the base rate). For example, if *rate* is **IBV\_RATE\_5\_GBPS**, the value 2 will be returned (5 Gbit/sec = 2 \* 2.5 Gbit/sec).

`mult_to_ibv_rate()` converts the multiplier value (of 2.5 Gbit/sec) *mult* to an IB transmission rate enumeration. For example, if *mult* is 2, the rate enumeration **IBV\_RATE\_5\_GBPS** will be returned.

**RETURN VALUE**

`ibv_rate_to_mult()` returns the multiplier of the base rate 2.5 Gbit/sec.

`mult_to_ibv_rate()` returns the enumeration representing the IB transmission rate.

**SEE ALSO**

`ibv_query_port(3)`

**AUTHORS**

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