

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)

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