NAME

      ibv_get_pkey_index − obtain the index in the P_Key table of a P_Key

SYNOPSIS

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

int ibv_get_pkey_index(struct ibv_context *context,
                       uint8_t port_num,
                       __be16 pkey);
```

DESCRIPTION

      Every InfiniBand HCA maintains a P_Key table for each of its ports that is indexed by an integer and with a P_Key in each element. Certain InfiniBand data structures that work with P_Keys expect a P_Key index, e.g. **struct ibv_qp_attr** and **struct ib_mad_addr**. Hence the function **ibv_get_pkey_index()** that accepts a P_Key in network byte order and that returns an index in the P_Key table as result.

RETURN VALUE

      ibv_get_pkey_index() returns the P_Key index on success, and −1 on error.

SEE ALSO

      ibv_open_device(3), **ibv_query_device**(3), **ibv_query_gid**(3), **ibv_query_pkey**(3), **ibv_query_port**(3)

AUTHOR

      Bart Van Assche <bvanassche@acm.org>