**NAME**

    libssh2_channel_x11_req_ex - request an X11 forwarding channel

**SYNOPSIS**

    #include <libssh2.h>

    int
    libssh2_channel_x11_req_ex(LIBSSH2_CHANNEL *channel, int single_connection,
                const char *auth_proto, const char *auth_cookie,
                int screen_number);

    int
    libssh2_channel_x11_req(LIBSSH2_CHANNEL *channel,
                int screen_number);

**DESCRIPTION**

    *channel* - Previously opened channel instance such as returned by **libssh2_channel_open_ex(3)**

    *single_connection* - non-zero to only forward a single connection.

    *auth_proto* - X11 authentication protocol to use

    *auth_cookie* - the cookie (hexadecimal encoded).

    *screen_number* - the XLL screen to forward

    Request an X11 forwarding on *channel*. To use X11 forwarding, **libssh2_session_callback_set(3)** must first be called to set **LIBSSH2_CALLBACK_X11**. This callback will be invoked when the remote host accepts the X11 forwarding.

**RETURN VALUE**

    Return 0 on success or negative on failure.  It returns LIBSSH2_ERROR_EAGAIN when it would otherwise block. While LIBSSH2_ERROR_EAGAIN is a negative number, it is not really a failure per se.

**ERRORS**

    *LIBSSH2_ERROR_ALLOC* -  An internal memory allocation call failed.

    *LIBSSH2_ERROR_SOCKET_SEND* - Unable to send data on socket.

*LIBSSH2_ERROR_CHANNEL_REQUEST_DENIED -*

**SEE ALSO**
    **libssh2_channel_open_ex(3) libssh2_session_callback_set(3)**