NAME
idn2_to_ascii_4i - API function

SYNOPSIS
#include <idn2.h>

int idn2_to_ascii_4i(const uint32_t * *input*, size_t *inlen*, char * *output*, int *flags*);

ARGUMENTS
const uint32_t * input
> zero terminated input Unicode (UCS-4) string.

size_t inlen   number of elements in *input* .

char * output   output zero terminated string that must have room for at least 63 characters plus the terminating zero.

int flags   optional **idn2_flags** to modify behaviour.

DESCRIPTION
THIS FUNCTION HAS BEEN DEPRECATED DUE TO A DESIGN FLAW. USE **idn2_to_ascii_4i2**() INSTEAD !

The ToASCII operation takes a sequence of Unicode code points that make up one domain label and transforms it into a sequence of code points in the ASCII range (0..7F). If ToASCII succeeds, the original sequence and the resulting sequence are equivalent labels.

It is important to note that the ToASCII operation can fail. ToASCII fails if any step of it fails. If any step of the ToASCII operation fails on any label in a domain name, that domain name MUST NOT be used as an internationalized domain name. The method for dealing with this failure is application-specific.

The inputs to ToASCII are a sequence of code points.

ToASCII never alters a sequence of code points that are all in the ASCII range to begin with (although it could fail). Applying the ToASCII operation multiple effect as applying it just once.

The default behavior of this function (when flags are zero) is to apply the IDNA2008 rules without the TR46 amendments. As the TR46 non-transitional processing is nowadays ubiquitous, when unsure, it is recommended to call this function with the **IDN2_NONTRANSITIONAL** and the **IDN2_NFC_INPUT**

flags for compatibility with other software.

Return value: Returns **IDN2_OK** on success, or error code.

SINCE
2.0.0

DEPRECATED
2.1.1: Use **idn2_to_ascii_4i2()**.

REPORTING BUGS
Report bugs to <help-libidn@gnu.org>.
General guidelines for reporting bugs: https://www.gnu.org/gethelp/
Libidn2 home page: https://www.gnu.org/software/libidn2/

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SEE ALSO
The full documentation for **libidn2** is maintained as a Texinfo manual. If the **info** and **libidn2** programs
are properly installed at your site, the command

   info libidn2

should give you access to the complete manual. As an alternative you may obtain the manual from:

   https://www.gnu.org/software/libidn/libidn2/manual/