



Application Note
AN1008-00, 2014-01-27
Changing EPC Length



Notice

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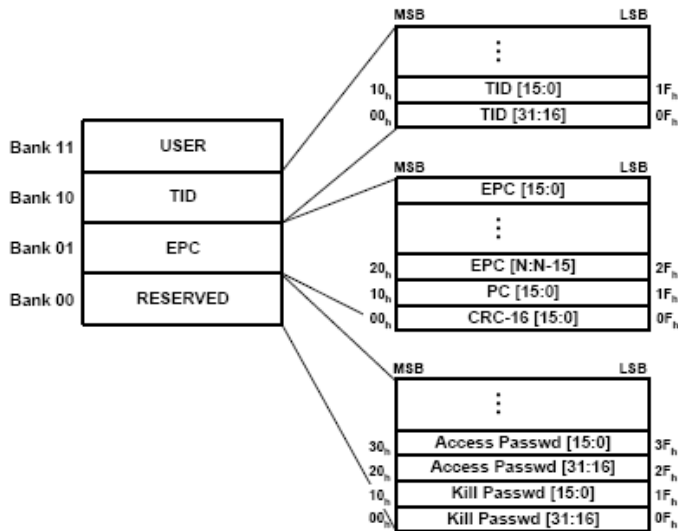
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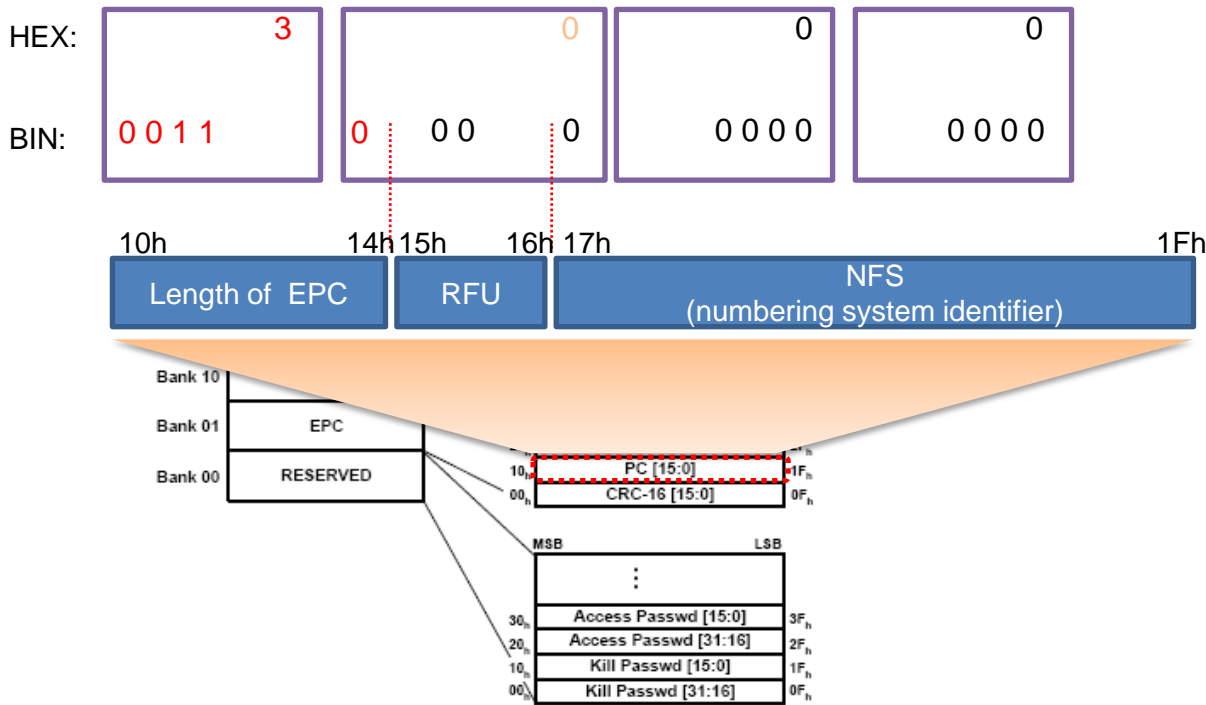
Revision History

Version	Date	Changes
00	2014-01-27	Initial released

A EPC C1G2 tag memory is separated into four banks.



The Electronic Product Code (EPC) is a universal identifier that gives a unique identity to a specific physical object anywhere in the world. The EPC code is stored in EPC memory bank. EPC memory bank is composed of three parts: CRC-16, Protocol Control word (PC) and the EPC. PC have EPC length, a UMI, an XI, and an NSI. Bits 10h – 14h stand for EPC length.



Binary 0011 0 (DEC : 6 words) stand for length of EPC. 1 word is equal to 16 bits. Therefore, 96-bits (6 words) EPC is corresponding to PC=3000h. If the EPC length is 5 words, the PC=2800h. Length of 7 words and PC=3800h, etc.

ARETE mobile Customer Service

Phone: + 82 42 864 2402

Fax: + 82 42 864 2403

Email: sales@phychips.com

Address

PHYCHIPS Inc.

#104 Migun Technoworld 2, 187 Techno 2-ro, Yuseong-gu, Daejeon, Korea 305-500

Working Day and time

Monday to Friday

09:00~18:00(Korean Time, GMT Time + 9 hours)

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