



S5PC110 CPU module Specification

DIGNSYS Inc.

Contact : James Kim

E-mail : shkim@dignsys.com

Phone : +82-31-303-5720

[Index]

1. Read Me First.....	4
1.1 Notation.....	4
1.2 For Future Information.....	4
2. Product Overview	5
2.1 Product Definition	5
2.2 Product Components.....	5
2.2.1 S5PC110 Components	5
2.3 Products Dimensions & Configuration	6
2.3.1 CPU module Dimension	6
2.4 Product Specification	6
2.4.1 CPU Module Specification.....	6
3. Customize Services.....	8

1. Read Me First

1.1 Notation

This specification uses various labels and name that serve as your guides to operating this product.

■ Notational conventions

<u>Caution</u>	A “caution” indicates a section of the manual that requires special attention.
<u>Reference</u>	A “referene” provides information related to the current topic.
<u>Example</u>	An “example” indicates on example related to the current topic.
<u>Note</u>	A “note” provides supplementary information.

■ Naming Conventions

NETCION™	NETCION is nick name of multimedia product from DIGNSYS Inc.
NETCION-DSP	NETCION-DSP is networked HD digital signage player. It can play high quality advertisement media contents such as photo and movie. The advertisement media contents can be updated through wired/wireless network, and they can be managed by server.

1.2 For Future Information

Thank you for interest in the NETCION-DSP, networked digital signage player for HD quality advertisement.

Please direct any questions or comments regarding this product to DIGNSYS Inc. or DIGNSYS sales office.

Contents	Contact	
NETCION	DIGNSYS Inc.	www.dignsys.com
NETCION-DSP	DIGNSYS Inc.	www.dignsys.com

2. Product Overview

2.1 Product Definition

- S5PC110(Cortex-A8,1GHz) CPU module developed by SAMSUNG.
- 45nm technology : Realization of Low-power and High-performance.
- A detachable CPU module : CPU Modules can be purchased separately.
- Minimized Board design : Applications in various fields.

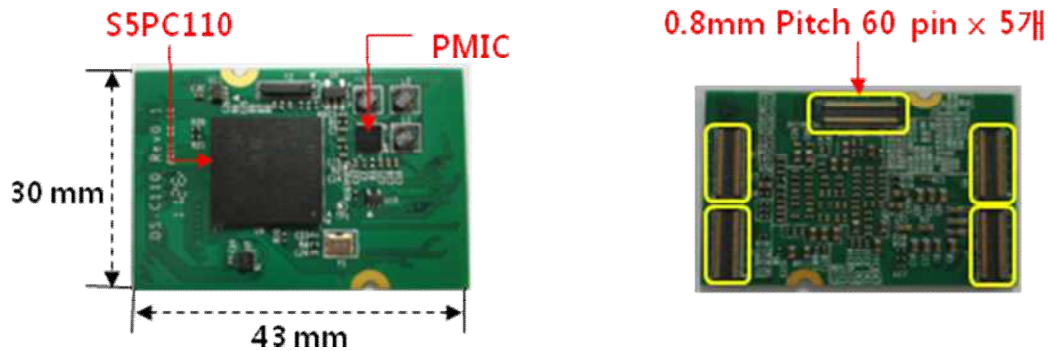
2.2 Product Components

2.2.1 S5PC110 Components

- S5PC110 CPU Module

2.3 Product Dimensions & Configuration

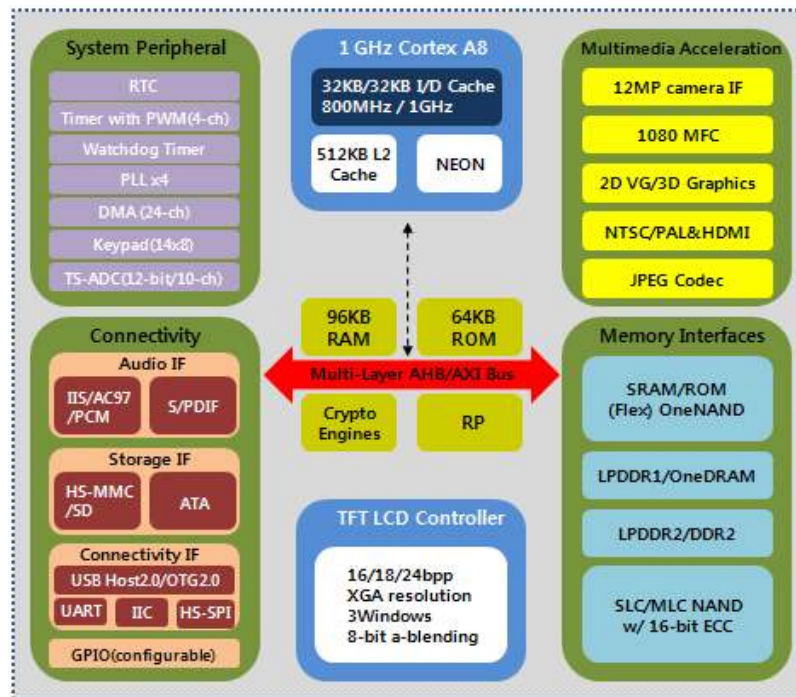
2.3.1 CPU Module Dimension



2.4 Product Specification

2.4.1 CPU Module Specification

- CPU : ARM Cortex A8 based CPU system
 - 32/32KB I/D Cache, 512KB L2 Cache
 - 800MHz/1GHz operating frequency
- Memory system
 - SRAM / ROM / NOR / NAND interface
 - Muxed/Demuxed OneNAND Interface with x16 data bus
 - LPDDR1 interface with x16 or x32 data bus (266 ~ 400Mbps/pin DDR)
 - DDR2 interface with x16 or x32 data bus (400Mbps/pin DDR)
 - LPDDR2 interface (400Mbps/pin DDR)
 - Flash/ROM Port : NAND Flash, NOR Flash, OneNAND, SRAM과 ROM type external memory.
- Multi Format CODEC
 - MPEG4/H.263/H.264/MPEG2/VC1/Xvid up to 1080p
 - 2D/3D Graph Acceleration, power VR SGX540
 - AC-97, PCMs
- SD Host 2.0, SD card 2.0, SDIO 1.0, HS-MMC 4.3 interface
- S5PC110 Black Diagram



[S5PC110 Block Diagram]

3. Customize Services

DIGNSYS Inc. do customize service for hardware and software design. Please contact us for detail information.

Contact :James Kim

E-mail : shkim@dignsys.com

Phone : +82-31-303-5720