
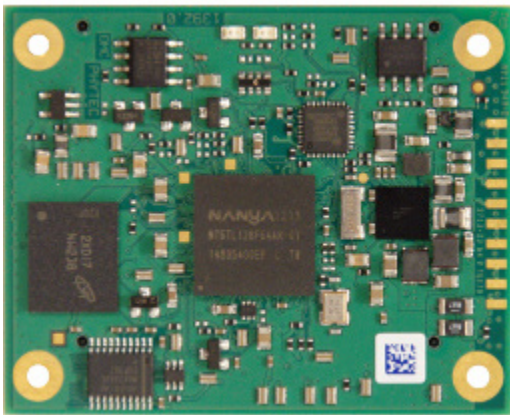


phyCORE-OMAP44xx

Product Name	phyCORE-OMAP44xx
PHYTEC Product Family	phyCORE
Processor Family	TI OMAP4
Processor Architecture	ARM Cortex A9
Quick Links	<div style="border: 1px solid green; padding: 5px; background-color: #e6f2e6;">  Hardware Manual phyCORE-OMAP44xx_Hardware_Manual.pdf </div>



Getting Started

Welcome!

This page contains technical information for the PHYTEC phyCORE-OMAP44xx. Look through the various tabs to find documentation, software releases, diagrams and drawings, and more. This page should help you get started with your development project utilizing the phyCORE-OMAP44xx.

Working with an Evaluation Kit?

If you have ordered an evaluation kit for the phyCORE-OMAP44xx you should locate the "Evaluation Kits" tab and find your specific kit. The associated evaluation kit page has more detailed information on the kit including QuickStart guides, software images, carrier board design information and more.

Designing a Custom Carrier Board?

Check out the "Documentation" and "Diagrams and Drawings" tabs for specifications and design guidelines.

Developing Software?

The BSPs on the "Software" tab can be used as a reference for developing your production ready software application. The BSPs support, and are tested on, standard configurations of the phyCORE-OMAP44xx. PHYTEC provides reference images and source code that target PHYTEC evaluation kits featuring PHYTEC SOMs and SBCs. If you are adapting the BSP to your own custom SOM or custom carrier board then you will want to use the closest evaluation kit configuration as your reference and modify the BSP accordingly.

Need to order hardware?

Contact PHYTEC Sales. Call 800-278-9913 or send an email to sales@phytec.com.

Unsure what hardware you need?


Contact the PHYTEC sales department for help on picking out a PHYTEC product or solution to fit your needs. Call 800-278-9913 or send an email to sales@phytec.com.

Have technical questions?


Visit the PHYTEC Service Desk. Sign up and login [here](#).

Documentation

Hardware Manual

File	Modified 
PDF File phyCORE-OMAP44xx_Hardware_Manual.pdf phyCORE-OMAP44xx Hardware Manual	11 11, 2016 by Matt Davis

Other Documentation

File	Modified 
PDF File TN-038e_1.pdf phyCORE-OMAP44xx Errata Rev1	09 28, 2016 by Anna Horstmann
PDF File TN-036e_1_01.pdf phyCORE-OMAP44xx Power-On Hours	09 28, 2016 by Anna Horstmann
PDF File LPN-012e_1.pdf phyCORE-OMAP44xx Notice of Software Update for Thermal Shutdown Management	09 28, 2016 by Anna Horstmann
PDF File Errata_phyCORE-OMAP44xx.pdf	11 21, 2016 by Matt Davis

 [Download All](#)

Processor Information

 For most updated information including processor data-sheets and reference manuals please visit [TI OMAP4430/OMAP4460](#).

Software

Linux

Current Release

- [PhyCORE-OMAP44xx Linux BSP-PD13.1.0 Release Notes](#) —

Operating System	Linux
BSP Release Status	RELEASED
Release Date	
Repository	

Binaries	ftp://ftp.phytec.com/products/PCM-049_phyCORE-OMAP44xx/Linux/PD13.1.0/ Use the link below for WiFi enabled images. ftp://ftp.phytec.com/products/PCM-049_phyCORE-OMAP44xx/Linux/PD13.1.0/wifi/
Source Archive	
Release Notes	Click Here

Archive Releases

- [PhyCORE-OMAP44xx Linux BSP-PD12.1.0 Release Notes](#)
- [PhyCORE-OMAP44xx Linux BSP-PD12.2.0 Release Notes](#)
- [PhyCORE-OMAP4430 Linux BSP-PD11.1.0 Release Notes](#)

Documentation

- [PhyCORE-OMAP44xx Linux Quickstart PD12.2.0](#)
- [PhyCORE-OMAP44xx Linux Quickstart PD12.1.0](#)
- [PhyCORE-OMAP44xx Linux Quickstart-PD13.1.0](#)
- [PhyCORE-OMAP44xx Linux Quickstart PD11.1.0](#)

Android

Current Release

- [PhyCORE-OMAP44xx Android BSP-JellyBean v2.0 Release Notes](#) —

Operating System	Android
BSP Release Status	RELEASED
Release Date	04 Mar 2013
Repository	
Binaries	ftp://ftp.phytec.com/products/PCM-049_phyCORE-OMAP44xx/Android/JellyBean/v2.0
Source Archive	
Release Notes	Click Here

Archive Releases

Content by label

There is no content with the specified labels



Documentation

- [PhyCORE-OMAP44xx Jelly Bean Android Development](#)

Windows

Current Release

- [PhyCORE-OMAP44xx Compact 7 BSP-PD12.2.0 Release Notes](#) —

Operating System	Windows CE
BSP Release Status	RELEASED

Release Date	
Repository	
Binaries	ftp://ftp.phytec.com/products/PCM-049_phyCORE-OMAP44xx/Compact7/PD12.2.0
Source Archive	
Release Notes	Click Here

Archive Releases


- [PhyCORE-OMAP44xx Compact 7 BSP-PD12.0.0 Release Notes](#)

Documentation

- [PhyCORE-OMAP44xx Compact 7 Quickstart PD12.2.0](#)
- [PhyCORE-OMAP44XX Compact 7 Quickstart PD12.x](#)

Diagrams and Drawings

Component Placement Diagrams

File 	Modified
File 1347-0.dxf phyCORE-OMAP44xx PL1347.0 PCB Design Drawing	09 28, 2016 by Anna Horstma nn
ZIP Archive 1347-0-3D-Daten.zip phyCORE-OMAP44xx PL1347.0 PCB 3D Design Files	09 28, 2016 by Anna Horstma nn
PDF File 1347-0bs-ref.pdf phyCORE-OMAP44xx PL1347.0 PCB Placement Diagram Top View	09 28, 2016 by Anna Horstma nn
PDF File 1347-0ls-ref.pdf phyCORE-OMAP44xx PL1347.0 PCB Placement Diagram Bottom View	09 28, 2016 by Anna Horstma nn

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File 	Modified
File 1347-1.dxf phyCORE-OMAP44xx PL1347.1 PCB Design Drawing	09 28, 2016 by Anna Horstma nn
ZIP Archive 1347-1-3D-Daten.zip phyCORE-OMAP44xx PL1347.1 PCB 3D Design Files	09 28, 2016 by Anna Horstma nn

PDF File 1347-1bs-ref-big.pdf phyCORE-OMAP44xx PL1347.1 PCB Placement Diagram Top View	09 28, 2016 by Anna Horstma nn
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PDF File 1347-1-LS-ref-big.pdf phyCORE-OMAP44xx PL1347.1 PCB Placement Diagram Bottom View	09 28, 2016 by Anna Horstma nn
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File 	Modified
File 1347-2.dxf phyCORE-OMAP44xx PL1347.2 PCB Design Drawing	09 28, 2016 by Anna Horstma nn
File 1347-2.step phyCORE-OMAP44xx PL1347.2 PCB 3D Step File	09 28, 2016 by Anna Horstma nn
ZIP Archive 1347-2-3D.zip phyCORE-OMAP44xx PL1347.2 PCB 3D Design Files	09 28, 2016 by Anna Horstma nn
PDF File 1347-2BS-ref.pdf phyCORE-OMAP44xx PL1347.2 PCB Placement Diagram Top View	09 28, 2016 by Anna Horstma nn
PDF File 1347-2LS-ref.pdf phyCORE-OMAP44xx PL1347.2 PCB Placement Diagram Bottom View	09 28, 2016 by Anna Horstma nn

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File 	Modified
File 1347-3.dxf phyCORE-OMAP44xx PL1347.3 PCB Design Drawing	09 28, 2016 by Anna Horstma nn
File 1347-3.step phyCORE-OMAP44xx PL1347.3 PCB 3D Step File	09 28, 2016 by Anna Horstma nn

PDF File 1347-3BS-ref.pdf
 phyCORE-OMAP44xx PL1347.3 PCB Placement Diagram Top View

09 28,
 2016 by
 Anna
 Horstma
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PDF File 1347-3LS-ref.pdf
 phyCORE-OMAP44xx PL1347.3 PCB Placement Diagram Bottom View

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 Anna
 Horstma
 nn

[Download All](#)

Connectors

[Samtec Socket Datasheet](#)

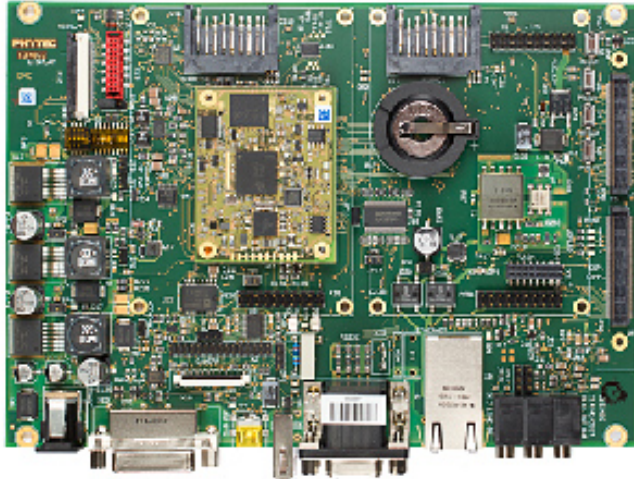
[Samtec Terminal Datasheet](#)

Schematics

[Register for schematics here: PHYTEC Schematic Registration](#)

Evaluation Kits

- [phyCORE-OMAP44xx Development Kit](#) —



Kit Description	phyCORE-OMAP44xx System on Module Evaluation and Development kit
PHYTEC SOM or SBC	phyCORE-OMAP44xx
PHYTEC Carrier Board	PCM-959

Getting More Help



PHYTEC Service Desk

Need support? Visit the [PHYTEC Service Desk](#) for technical support, product questions, Return Merchandise Authorizations, and more!