
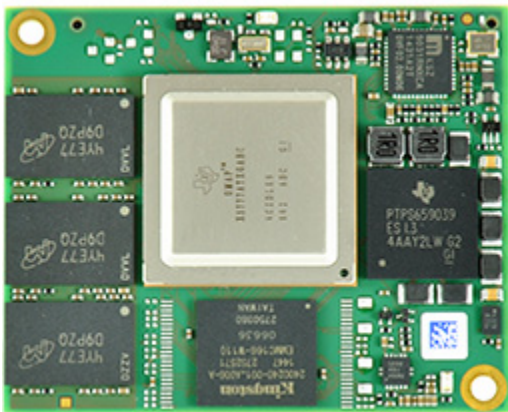


phyCORE-AM57x

Product Name	phyCORE-AM57x
PHYTEC Product Family	phyCORE
Processor Family	TI AM57x
Processor Architecture	ARM Cortex A15
Quick Links	<div style="border: 1px solid green; padding: 5px; display: inline-block;">  Hardware Manual phyCORE-AM57x_Hardware_Manual.pdf </div>



Getting Started

Welcome!

This page contains technical information for the PHYTEC phyCORE-AM57x. 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 utilizing the phyCORE-AM57x.

Working with an Evaluation Kit?

If you have ordered an evaluation kit for the phyCORE-AM57x 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", "Diagrams and Drawings", and "Pinmux and Design Tools" 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 the phyCORE-AM57x and 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 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-AM57x_Hardware_Manual.pdf	10 10, 2018 by Lacey Redinger

Application Notes

- [Application Note: AM57x Automatic Power-On Event at Power Up](#)
- [Touchscreen is not working on the phyCORE-AM572x](#)
- [TI AM57xx Application Notes](#)
- [How-to: Test Camera on the phyCORE-AM57x Linux RDK](#)
- [How-to: Implement and Test SPIDEV on the phyCORE-AM57x Linux RDK](#)
- [How-to: Build an SDK for my Yocto image](#)

Processor Information



For most updated information including processor data-sheets and reference manuals please visit [TI Sitara AM57x](#)

Software

Linux

Current Release

- [BSP-Yocto-TISDK-AM57xx-PD18.2.0 Release Notes](#) —

Operating System	Linux
BSP Release Status	RELEASED
Release Date	05 Oct 2018
Repository	PHYTEC Public Repos
Binaries	BSP-Yocto-TISDK-AM57xx-PD18.2.0

Archive Releases

- [BSP-Yocto-TISDK-AM57xx-PD18.1.0 Release Notes](#)
- [phyCORE-AM57xx-PD15.1-rc1 Release Notes](#)
- [phyCORE-AM57xx-PD15.1-rc2 Release Notes](#)
- [phyCORE-AM57xx-PD15.1-rc3 Release Notes](#)

- [phyCORE-AM57xx-PD15.1-rc4 Release Notes](#)
- [BSP-Yocto-TISDK-AM57xx-PD16.1.0 Release Notes](#)
- [BSP-Yocto-TISDK-AM57xx-PD17.1.0 Release Notes](#)
- [BSP-Yocto-TISDK-AM57xx-PD17.1.1 Release Notes](#)

Documentation

- [BSP-Yocto-TISDK-AM57xx-PD18.2.0 Quickstart](#)
- [phyCORE-AM57x RDK Linux Quickstart PD15.1-rc4](#)
- [BSP-Yocto-TISDK-AM57xx-PD18.1.0 Quickstart](#)
- [phyCORE-AM57xx-PD15.1-rc\[1|2|3|4\] BSP Reference Guide](#)
- [BSP-Yocto-TISDK-AM57xx-PD16.1.0 BSP Reference Guide](#)
- [BSP-Yocto-TISDK-AM57xx-PD16.1.0 Quickstart](#)
- [phyCORE-AM57x RDK Linux Quickstart PD15.1-rc1](#)
- [phyCORE-AM57x RDK Linux Quickstart PD15.1-rc2](#)
- [phyCORE-AM57x RDK Linux Quickstart PD15.1-rc3](#)
- [BSP-Yocto-TISDK-AM57xx-PD17.1.0 Quickstart](#)
- [BSP-Yocto-TISDK-AM57xx-PD17.1.1 Quickstart](#)

Android

Current Release

- [BSP-Android-TI-AM57x-PD17.1.1 Release Notes](#) —

Operating System	Android
BSP Release Status	RELEASED
Release Date	12 Jun 2017
Repository	PHYTEC Android Repos
Binaries	BSP-Android-TI-AM57x-PD17.1.0.tar.bz2
Kernel Source	https://stash.phytec.com/projects/ASDK/repos/linux-phytec-ti/browse?at=refs%2Ftags%2FBSP-Android-TI-AM57x-PD17.1.1
Quickstart Guide	BSP-Android-TI-AM57x-PD17.1.1 Quickstart

Archive Releases

Content by label

There is no content with the specified labels



Documentation

- [BSP-Android-TI-AM57x-PD17.1.0 Quickstart](#)
- [BSP-Android-TI-AM57x-PD17.1.1 Quickstart](#)

RTOS

Current Release

- [BSP-RTOS-TI-AM57x-PD18.1.0 Release Notes](#) —

Operating System	TI-RTOS
BSP Release Status	RELEASED

Release Date	09 Nov 2018
Repository	PHYTEC TI-RTOS Repos
Binaries	BSP-RTOS-TI-AM57x-PD18.1.0.tar.bz2

Archive Releases


- [BSP-RTOS-TI-AM57x-PD17.1.0 Release Notes](#)

Documentation


- [BSP-RTOS-TI-AM57x-PD18.1.x Quickstart](#)
- [BSP-RTOS-TI-AM57x-PD17.1.x Quickstart](#)
- [BSP-RTOS-TI-AM57x-PD17.1.1 Quickstart](#)

Diagrams and Drawings

Component Placement Diagrams

File 	Modified
File 1428-2.dxf CAD file for phyCORE-AM57x 1428.2	10 24, 2016 by Joshua Nejedly
PDF File 1428-2BS-ref.pdf phyCORE-AM57x PL1428.2 PCB Placement Diagram Top View	10 24, 2016 by Joshua Nejedly
PDF File 1428-2Is-ref.pdf phyCORE-AM57x PL1428.2 PCB Placement Diagram Bottom View	10 24, 2016 by Joshua Nejedly
File 1428-2step.step step file for phyCORE-AM57x PL1428.2	10 24, 2016 by Joshua Nejedly

 [Download All](#)

File 	Modified
File 1428-3.dxf phyCORE-AM57x PL1428.3 PCB Mechanical Drawing file	04 24, 2017 by Serah Peterson
File 1428-3.step	04 25, 2017 by Matt Davis
PDF File 1428-3BSref.pdf phyCORE-AM57x PL1428.3 PCB Placement Diagram Top View	04 24, 2017 by Serah Peterson

PDF File 1428-3LSref.pdf
phyCORE-AM57x PL1428.3 PCB Placement Diagram Bottom View

04 24,
2017 by
Serah
Peterson

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File ▲	Modified
File 1428-4.dxf phyCORE-AM57x PL1428.4 PCB Mechanical Drawing file	11 09, 2017 by Serah Peterson
PDF File 1428-4-BS-ref.pdf phyCORE-AM57x PL1428.4 PCB Placement Diagram Top View	11 09, 2017 by Serah Peterson
PDF File 1428-4-LS-ref.pdf phyCORE-AM57x PL1428.4 PCB Placement Diagram Bottom View	11 09, 2017 by Serah Peterson
File 1428-4-step.step phyCORE-AM57x PL1428.4 PCB STEP file	11 09, 2017 by Serah Peterson

↓ [Download All](#)

Footprints

File	Modified ▲
PDF File PCM-057-CarrierBoard-Connector-Footprint.pdf phyCORE-AM57x SOM footprint for Carrier Board design dimensional drawing (PDF)	11 29, 2017 by Serah Peterson

Connectors

SOM Connector

Schematic Reference Designator	Description	Part Information	Order-able Part Number	STEP file
X1, X2	160 pins (2 rows of 80 pins)	Samtec BSH-080-01-L-D-A-KTR	Samtec REF-178708-03	REF-178708-03.step

Carrier Board Connector

Use the following parts on your custom carrier board design to mate with the PHYTEC phyCORE-AM572x SOM

Description	Part Information	Order-able Part Number	STEP file
160 pins (2 rows of 80 pins)	Samtec BTH-080-01-L-D-A-KTR	Samtec REF-178709-03	REF-178709-03.step

Design Tools

PinMux

Visit [TI PinMux Tool Wiki](#) for information on acquiring the PinMux tool from TI.

File	Modified ▲
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Text File README.txt


06 14, 2017 by Matt Davis

File phyCORE-AM57x_1428_3_PinMux_4_0_1490_v2.pinmux

01 18, 2018 by Matt Davis

[Download All](#)

Schematics

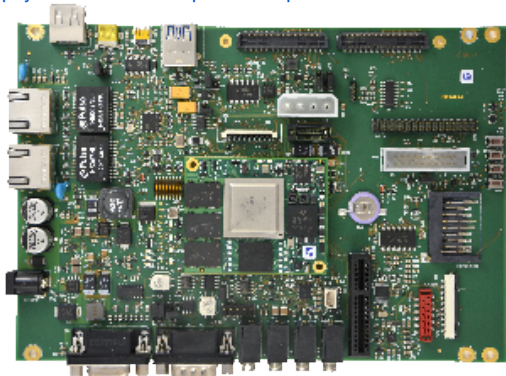
 Register for schematics here: [PHYTEC Schematic Registration](#)

Evaluation Kits

- [phyCORE-AM65x Rapid Development Kit](#) —

Kit Description	phyCORE-AM65x System on Module Evaluation and Development kit
PHYTEC SOM or SBC	phyCORE-AM65x
PHYTEC Carrier Board	PCM-941

- [phyCORE-AM57x Rapid Development Kit](#) —



Kit Description	phyCORE-AM57x System on Module Evaluation and Development kit
PHYTEC SOM or SBC	phyCORE-AM57x
PHYTEC Carrier Board	PCM-948

Getting More Help



PHYTEC Service Desk

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