

## How to Install the Qualcomm 64-Bit Windows 7 USB Host Driver

User Guide

80-N2328-2 B

April 18, 2011

# Submit technical questions at: https://support.cdmatech.com/

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### **Revision history**

Revision	Date	Description
A	Sep 2010	Initial release
В	Apr 2011	Updated path to install the Windows host driver

# 1 Introduction

#### 1.1 Purpose

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The purpose of this document is to provide installation instructions for the Qualcomm 64-bit Windows 7 USB host driver.

#### 1.2 Scope

This document applies to any user who needs to install the Qualcomm 64-bit Windows 7 USB
 host driver.

### 1.3 Conventions

- Function declarations, function names, type declarations, and code samples appear in a different
   font, e.g., #include.
- 11 Code variables appear in angle brackets, e.g., <number>.
- <sup>12</sup> Commands to be entered appear in a different font, e.g., copy a:\*.\* b:.
- Button and key names appear in bold font, e.g., click **Save** or press **Enter**.
- <sup>14</sup> Shading indicates content that has been added or changed in this revision of the document.

#### 1.4 References

Reference documents, which may include QUALCOMM<sup>®</sup>, standards, and resource documents,
 are listed in Table 1-1. Reference documents that are no longer applicable are deleted from this
 table; therefore, reference numbers may not be sequential.

#### Table 1-1 Reference documents and standards

Ref.	Ref. Document				
Qualco	omm				
Q1	Application Note: Software Glossary for Customers	CL93-V3077-1			

### 1.5 Technical assistance

For assistance or clarification on information in this guide, submit a case to Qualcomm CDMA Technologies at https://support.cdmatech.com/.

If you do not have access to the CDMATech Support Service website, register for access or send email to support.cdmatech@qualcomm.com.

### 1.6 Acronyms

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For definitions of terms and abbreviations, see [Q1].

# 2 Installation

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Follow the steps in this chapter to install the Qualcomm 64-bit Windows 7 USB host driver.

- 1. To add the test certificate:
  - a. Launch Windows Explorer.
  - b. Navigate to the **qcusbtest.cer** certificate file.
  - c. Right-click the file and select Install Certificate.

📮 qcusbtest	-	9/28/2007 2:32 PM	Security Certificate	1 KB
README		Open	at .	1 KB
		Install Certificate		
		Open with		
	00	Scan for threats		
	.0	Always available off	line	
	9	Restore previous ve	rsions	
		Send to		
		Cut		
		Сору		
		Create shortcut		
		Delete		
		Rename		
		Properties		

The Certificate Import Wizard dialog appears.

d. In the Certificate Import Wizard dialog, click **Browse**.

ertificate Import Wizard	3
Certificate Store	
Certificate stores are system areas where cer	tificates are kept.
Windows can automatically select a certificate the certificate.	store, or you can specify a location for
Automatically select the certificate store	e based on the type of certificate
Place all certificates in the following stor	re
Certificate store:	
	Browse
Learn more about <u>certificate stores</u>	
	<back next=""> Cancel</back>

The Select Certificate Store dialog appears.

e. From the Select Certificate Store dialog, select Trusted Publishers.

1	Intermediate Certification Authorities	
1	Active Directory User Object	
H	Trusted Publishers	12
H	Untrusted Certificates	-
14	Third-Party Root Certification Authorit	ies .
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f. Click OK.

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The Certificate Import Wizard dialog appears.

Certificate Import Wizard	
	Completing the Certificate Import Wizard
	The certificate will be imported after you click Finish.
	You have specified the following settings:
	Certificate Store Selected by User Trusted Publishers Content Certificate
	10 5
-	
	< <u>B</u> ack Finish Cancel

- g. Ensure that the certificate is displayed in the You have specified the following settings pane of the Certificate Import Wizard dialog.
- h. Click Finish to add the test certificate.
- 2. To add Trusted Root Certification Authorities:
  - a. In Windows Explorer, navigate to the **qcusbtest.cer** certificate file.
  - b. Right-click and select Install Certificate.
    - The Certificate Import Wizard dialog appears.
  - c. In the Certificate Import Wizard dialog, click Browse.

The Select Certificate Store dialog appears.

d. Select Trusted Root Certification Authorities, and click OK.

T	Personal	
-	Trusted Root Certification Authorities	
-	Enterprise Trust	3
-	Internediate Certification Authorities	
	Active Directory User Object	
1	Trusted Publishers	1

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The Certificate Import Wizard dialog appears.

- e. In the Certificate Import Wizard dialog, ensure that the certificate is displayed in the **You** have specified the following settings pane.
- f. Click Finish.

Trusted root certification authorities are added.

- 3. To confirm the test certificate:
  - a. Click Start  $\rightarrow$  Run.
  - b. Enter certmgr.msc to start the Certificate Manager.

The certmgr window appears.

c. Verify that the test certificate is present in the Trusted Publishers/Certificates folder.

🧧 certmgr - [Certificates - Current Us	ser\Trusted Publishers\Certificates]					
<u>File Action View Help</u>						
e 🔿 🖄 🖬 🤞 🗙 🗉						
Certificates - Current User	Issued To	Issued By	Expiration Date	Intended Purposes	Friendly Name	Sta
Personal Trusted Past Cartification Au	nnguyenx	NA Infrastructure Certificate Serve	11/21/2012	Code Signing	<none></none>	
Enterprise Trust	Qualcomm IT	NA Infrastructure Certificate Serve	11/21/2012	Code Signing	<none></none>	
Intermediate Certification Au	USBHostDriver(Test003)	USBHostDriver(Test003)	1/1/2099	Code Signing, Win	<none></none>	
Active Directory User Object						
▲ Trusted Publishers						
Untrusted Certificates						
Third-Party Root Certification						
Trusted People						
Certificate Enrollment Reque:						
Smart Card Trusted Roots						
	N'N' G'					
0						
	<u></u>					
Image: Image		m				۲.
Trusted Publishers store contains 3 cer	rtificates.					

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d. Navigate to the Trusted Root Certification Authorities folder.

e. Verify that the test certificate is present in the Trusted Root Certification Authorities/Certificates folder.

Certificates - Current User     Certificates     Certificates     Certificates - Current User     Certificates Forollment Reque     Smart Card Trusted Roots	Issued To AddTrust External CA Root Class 3 Public Primary Certification Authority Class 3 Public Primary Certification Authority Copyright (2) 1997 Microsoft Corp. Entrust.net Certification Authority (2048) Entrust.net Certificate Authority GTE CyberTrust Global Root Charter Authenticode(tm) Root Authority Microsoft Root Authority Microsoft Root Authority Microsoft Root Authority Microsoft Root Authority Microsoft Root Authority Microsoft Root Certificate Authority Microsoft Root Certificate Authority Qualcomm Root Certificate Authority Compared State Authority Compared State Authority Microsoft Root Certificate Auth	Issued By AddTrust External CA Root Class 3 Public Primary Certificatio Class 3 Public Primary Certificatio Class 3 Public Primary Certificatio Capyright (c) 1997 Microsoft Corp. Entrust.net Secure Server Certifica- Equifax Secure Certificate Authority GTE CyberTrust Global Root http://www.valicert.com/ Microsoft Authenticode(I'm) Root Microsoft Root Certificate Authority Microsoft Root Certificate Authority O LIABILITY ACCEPTED, (c)97 V Qualcomm Root Certificate Auth Qualcomm Root Certificate Auth Qualcomm Root Certificate Auth Qualcomm Root Certificate Auth	Expiration Date 5/30/2020 8/1/2028 1/7/2004 12/30/1999 7/24/2029 5/25/2019 8/22/2018 8/13/2018 6/25/2019 12/31/2020 5/9/2021 17/7/2004 9/21/2026 5/22/2010 9/21/2026	Intended Purposes Server Authenticati Secure Email, Client Secure Email, Client Server Authenticati Server Authenticati Secure Email, Serve Secure Email, Serve Secure Email, Client Secure Email, Code <all> Time Stamping <all> <all> <all> <all></all></all></all></all></all>	Friendly Name USERTrust VerSign Class 3 Pu VerSign Class 3 Pu Entrust (2048) Entrust GeoTrust GTE CyberTrust Glo Starfield Technolog Microsoft Root Aut Microsoft Root Aut Microsoft Root Aut VerSign Time Stam <none> <none> <none></none></none></none>
	Thave Timestamping CA	Thawte Premium Server CA Thawte Timestamping CA	12/31/2020	Server Authenticati Time Stamping	tnawte Thawte Timestamp
	SBHostDriver(Test003)	VeriSign Class 3 Public Primary Ce VeriSign Trust Network	7/16/2036 5/18/2018	Code Signing, Win Server Authenticati Secure Email, Client	<none> VeriSign VeriSign</none>

- 4. Open the command prompt window, using the **Run as administrator** option.
- 5. Enter the following command: bcdedit -set testsigning on.
- 6. Reboot the system.

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7. After reboot, attach the QC USB device to the system.

The system device manager enumerates the devices and requests the location of the host drivers.

- 8. Based on the system environment variable PROCESSOR\_ARCHITECTURE, install the Windows host driver in the ...\Win64 location.
- Windows 7 might not prompt for the driver installation when a USB device is plugged in. In this case, open the device manager and manually install a driver for each device instance.