

# Advantech AE Technical Share Document

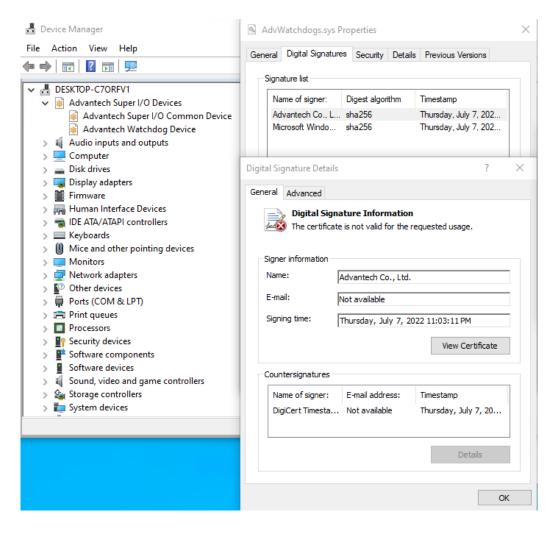
Date	9/1 /2022	Release Ver.	V1.0
Category	FAQ 🗆 SOP	Release Note	□Internal External
Related OS	Windows 10		
Abstract	How to solve the prob	lem of invalid Adv	atech driver certificate?
Keyword	Certificate, digital sign	ature,	
<b>Related Product</b>	ASG Products		

### Description:

Since the original digital signature has expired, we apply a new digital signature for Advantech drivers, such as Lmsensore, Watchdog, and Common driver.....

Windows may not recognize new digital signatures if Windows is not regularly updated or is not up to date.

In this case, the driver still works and no errors appear in Device Manager. But if you check the digital signature of Advantech driver, you will find that Windows display that the certificate of the driver is not valid.





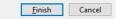
#### Solution:

## You can choose one of the following methods to resolve the error message.

- Automatically install new root certificate by Windows update.
   Run update Windows, and the new root certificate will be installed automatically.
- Manually install the certificate for Advantech driver without Windows update.
   Download: <u>DigiCert Trusted Root G4 Download</u>

...

Certificate Import Wizard	🗧 🐓 Certificate Import Wizard
Welcome to the Certificate Import Wizard	Certificate Store Certificate stores are system areas where certificates are kept.
This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store.	Windows can automatically select a certificate store, or you can specify a location the certificate.
A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.	Automatically select the certificate store based on the type of certificate     Oplace all certificates in the following store     Certificate store:
Store Location	Browse
Next Cancel	Next
<u>N</u> ext Cancel	Next
Next Cancel	Ţ
Next Cancel	Certificate Import Wizard





# Press Windows key + R Enter "certmgr.msc" to check if DigiCert Trusted Root G4 is installed as below figure.

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Certificates - Current User  Personal  Certificates  Enterprise Trust Enterprise Trust Intermediate Certification Au  Active Directory User Object  Trusted Publishers  Curturd Certificates  Third-Party Root Certification	Issued To AddTrust External CA Root Class 3 Public Primary Certification Authority Class 3 Public Primary Certification Authority COMODO RSA Certification Authority Copyright (c) 1997 Microsoft Corp. DESKTOP-CPVS2MU DigiCert Assured ID Root CA DigiCert High Assurance EV Root CA	Issued By AddTrust External CA Root Class 3 Public Primary Certificatio Class 3 Public Primary Certificatio COMODO RSA Certification Auth Copyright (c) 1997 Microsoft Corp. DESKTOP-CPVS2MU DigiCert Assured ID Root CA DigiCert High Assurance FV Root	Expiration Date 5/30/2020 8/1/2028 1/7/2004 1/18/2038 12/30/1999 12/31/3021 11/9/2031 11/9/2031	Intended Purposes Server Authenticati Secure Email, Client Server Authenticati Time Stamping Server Authenticati Server Authenticati Server Authenticati	Friendly Name The USERTrust Netw. VeriSign Class 3 Pu VeriSign Class 3 Pri COMODO SECURE™ Microsoft Timesta <none> DigiCert DigiCert</none>
Trusted People	DigiCert Trusted Root G4	DigiCert Trusted Root G4	1/15/2038	Server Authenticati	DigiCert Trusted Ro
<ul> <li>&gt; Client Authentication Issuers</li> <li>&gt; Client Card Trusted Roots</li> </ul>	Laj Hotspot 2.0 Irust Root CA - 03 Microsoft Authenticode(tm) Root Authority Microsoft ECC Product Root Certificate Aut Microsoft ECC TS Root Certificate Authority Microsoft Root Certificate Authority Microsoft Root Certificate Authority 2010 Microsoft Root Certificate Authority 2011 Microsoft Root Certificate Authority 2011 Microsoft Time Stamp Root Certificate Auth NO LIABILITY ACCEPTED, (c)97 VeriSign, Inc. QuoVadis Root Certification Authority Symantec Enterprise Mobile Root for Micros Thavke Timestamping CA USERTirust RSA Certification Authority	Hotspot 2.U Irust Root CA - US Microsoft Authenticode(tm) Root Microsoft ECC Product Root Certi Microsoft ECC TS Root Certificate Microsoft Root Authority Microsoft Root Certificate Authori Microsoft Time Stamp Root Certif NO LIABILITY ACCEPTED, (c)97 Ve QuoVadis Root Certification Auth Symantec Enterprise Mobile Root Thawte Timestamping CA USERTrust RSA Certification Autho	12/8/2043 12/31/1999 2/27/2043 2/27/2043 12/31/2020 5/9/2021 6/23/2035 3/22/2036 10/22/2039 1/7/2004 3/17/2021 3/14/2032 12/31/2020 1/18/2038	Server Autnenticati Secure Email, Code <all> <all> <all> <all> <all> <all> Time Stamping Server Authenticati Code Signing Time Stamping Server Authenticati</all></all></all></all></all></all>	Hotspot 2.0 ITUST K Microsoft Authenti Microsoft ECC Prod Microsoft ECC TS R Microsoft Root Cert Microsoft Root Cert Microsoft Root Cert Microsoft Root Cert VeriSign Time Stam QuoVadis Root Cert <none> Thavte Timestampi USERTirust Secure™</none>

Check the digital signature of Advantech driver again, it should become valid.

-	Certificat	te Information	3			
This		is intended for the following purpose(s):				
	Ensures the identity of a remote computer     Proves your identity to a remote computer					
	• Protects e-	mail messages				
		ftware came from software publisher ftware from alteration after publication				
		to be signed with the current time	~			
		DigiCert Trusted Root G4 DigiCert Trusted Root G4				
	Valid from	8/1/2013 to 1/15/2038				
		Install Certificate Issuer State	ment			