Advantech AE Technical Share Document

Date	2020 / 1 / 13	Release Note	□ Internal ■ External
Category	■FAQ □SOP	Related OS	Android 6
Abstract	FAQ_How to connect TPC-71W to Android Studio?		
Keyword	Android Studio, TPC-71W		
Related Product	TPC-71W		

■ **Problem Description**:

Customer is not able to connect TPC-71W to Android Studio through USB.

■ **Problem Analysis**:

The android on TPC-71W already includes OTG function, but there is a unstable issue when connecting to TPC-71W through USB. Since the Android image supports debugging via LAN, customer is advised to use the LAN interface instead.

■ **Brief Solution**:

Android Studio is the official Integrated Development Environment (IDE) for Android app development.
https://developer.android.com/studio/?gclid=CjwKCAiAxMLvBRBNEiwAKhr-nBsEe-T8ls0ct3fQG6GEq1VQ_BJAGRZ7QyE5HoLnIHzoB2sQbyuqDRoCEtMQAvD_BwE
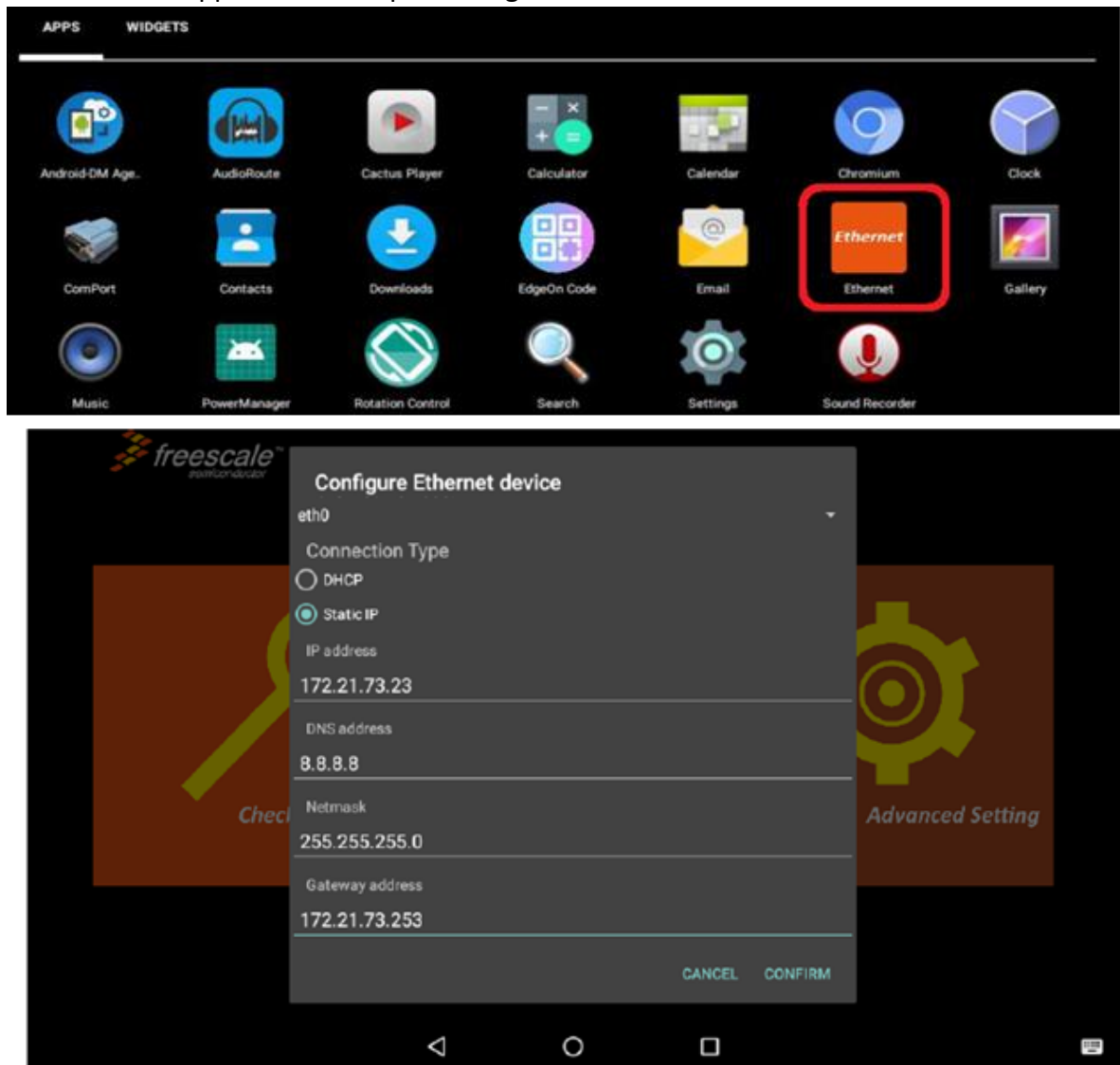Here is a simple scenario.
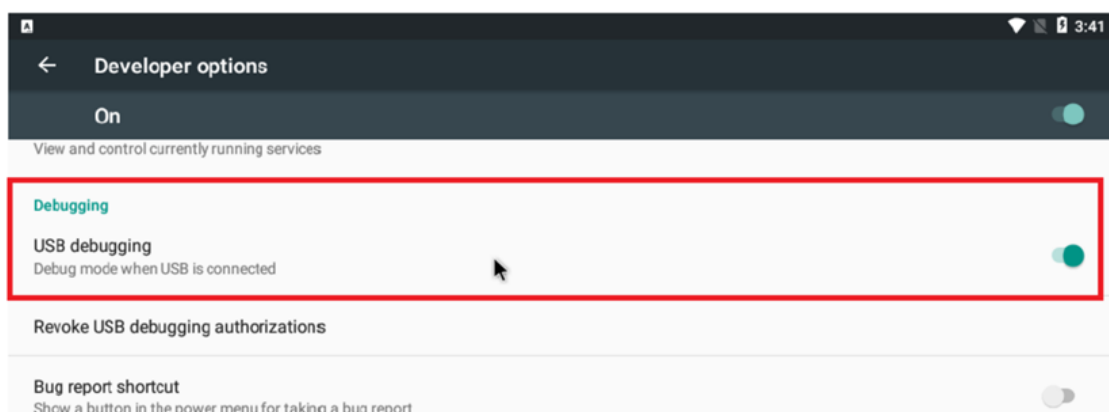

7" Touch Panel Computer with ARM Cortex™-A9 Processor

Below is the introduction for Android Debug Bridge via LAN:

From TPC-71W side

1. Click Ethernet app from Desktop to configure the IP address

2. Back to Desktop, click Settings > About Tablet > tap "Build number" item 7 times to enable developer mode
3. Back to Settings page, you will find the Developer options is available.
4. Turn on USB debugging mode in the Developer option

From Server side

1. Open command prompt on your server which should already installed Android studio and adb shell.
2. Type adb connect x.x.x.x (TPC-71W IP address)
3. Type adb shell, then you can get into "shell@tpc_71w" which means the connection is established.