

ADLINK Technical Document

Abstract	How to Use the Bare Version of MCM-204		
OS	Linux		
Keyword	Bare Version		
Related Products	MCM-204		
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• Issue Details:

The standard MCM-204 provides a web console for easy use. The bare version allows users to build their own solutions. The bare version of the MCM-204 provides the basic functions like analog output, analog input, digital output, digital input, tachometer, and temperature for development.

This document shows how to access the MCM-204 and use those samples.

• Prerequisites:

MCM-204 Bare Version



• Solution:

Step 1: Download PuTTY

Download the version of PuTTY for your environment.

Direct link: https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html

Package files

You probably want one of these. They include versions of all the PuTTY utilities.

(Not sure whether you want the 32-bit or the 64-bit version? Read the FAQ entry.)

MSI ('Windows Installer')

64-bit x86:	<u>putty-64bit-0.76-installer.msi</u>	(or by FTP)	(signature)
64-bit Arm:	<u>putty-arm64-0.76-installer.msi</u>	(or by FTP)	(signature)
32-bit x86:	<u>putty-0.76-installer.msi</u>	(or by FTP)	(signature)
Unix source archive			
.tar.gz:	<u>putty-0.76.tar.gz</u>	<u>(or by FTP)</u>	<u>(signature)</u>





Step 2: Connect to MCM-204

Connect the MCM-204 to your host PC and run the PuTTY



Host Name(or IP address):169.254.1.1

Port:22

🕵 PuTTY Configuration		? ×	
Category:			
	Basic options for your PuTTY session		
Terminal Keyboard Bell Features Window Appearance Behaviour Translation	Specify the destination you want to conner Host Name (or IP address) 169.254.1.1 Connection type:	Port 22 t V	
Iranslation Iranslation Selection Colours Ornection Data Proxy SSH Serial Telnet Telnet	Saved Sessions Default Settings	Load Save Delete	
SUPDUP	Close window on exit: Always Never Only on c	lean exit	
About Help	Open	Cancel	





Step 3: Log in to MCM-204

Login to the MCM-204

- User: root
- Password: Adlink



Important locations for the file samples are listed below:

	Location	Description
1.	Files root folder	/root/MCM204_BareLib/
2.	Header files	/root/MCM204_BareLib/Include/mcmdask.h
3.	so files	/root/MCM204_BareLib/Library/libmcmdev.so /root/MCM204_BareLib/Library/libmcmdevapi.so
4.	Function reference	/root/MCM204_BareLib/Manual/MCM_Bare_FuncRef.pdf
5.	Sample files	/root/MCM204_BareLib/Samples/



Step 4: Samples list

The list below details the available sample files and their function:

	Sample file	Description
1.	C204_AI_AnalogTrig_MultiChannel	Analog trigger source, analog input channel, four channels data, one-shot mode. Saves data to data.csv for analysis.
2.	C204_AI_DBF	One analog input channel, continuous mode. Saves data to data.csv for analysis.
3.	C204_AI_DBF_MultiChannel	Four analog input channels, continuous mode. Saves data to data.csv for analysis.
4.	C204_AI_DigitalTrig	Digital trigger source, digital input channel, analog data input, one-shot mode. Saves data to data.csv for analysis.
5.	C204_AI_DMA	One analog input channel, one-shot mode. Saves data to data.csv for analysis.
6.	C204_AI_Tachometer	Tachometer, one analog channel, one-shot mode. Saves data to data.csv for analysis.
7.	C204_Calibration	How to do self-calibration.
8.	C204_DIO	How to use digital input and output.
9.	C204_ Temperature	How to use the temperature function.



Step 5: Rebuild

To rebuild the samples, use the "make clean" or "make" command.



