

# **Technical Note**

TN# MCSTN291

Rev# 1.0

Release Date: 2023 / 8 / 22

Category: Software

Support Model: ATC3200 / ATC3750

## Subject

How to recovery image with console in ATC3200 / ATC3750

## Introduction

The step of recovery image with console

## **Trouble Shooting Step-by-Step**

## **Prepare materials**

- 1. One system with Ubuntu OS and install Putty.
- 2. USB to RS232 transfer tool as below picture (any brand will do):



3. Connect the RX/TX of USB to RS232 transfer tool to ATC Console port TX/RX (RX/TX docking).

#### ATC3200

#### **COM1/Console Connector**

Connector number: 4



Pin	RS232	RS422	RS485
1	DCD	TX-	D-
2	RXD	TX+	D+
3	TXD	RX+	
4	DTR	RX-	
5	GND		
6	CONSOLE_TX		
7	RTS		
8	CTS		
9	CONSOLE_RX		

## ATC3750

#### **Console Connector**

Connector number: 2



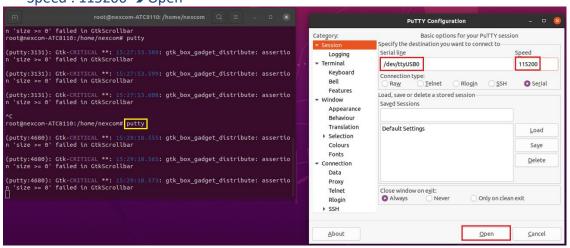
Pin	Definition	Pin	Definition
1	NC	6	NC
2	RXD	7	NC
3	TXD	8	NC
4	NC	9	NC
5	GND		



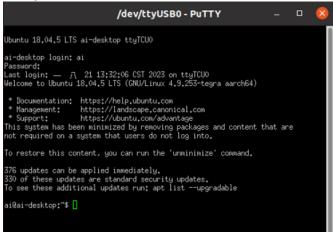


## Recovery

Execute Putty in host system.
Serial Line : /dev/ttyUSB0
Speed : 115200 → Open



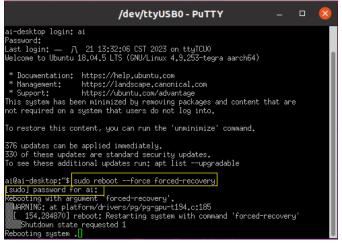
2. Press Enter in Putty window and entry password, it will shows the information about updated system.



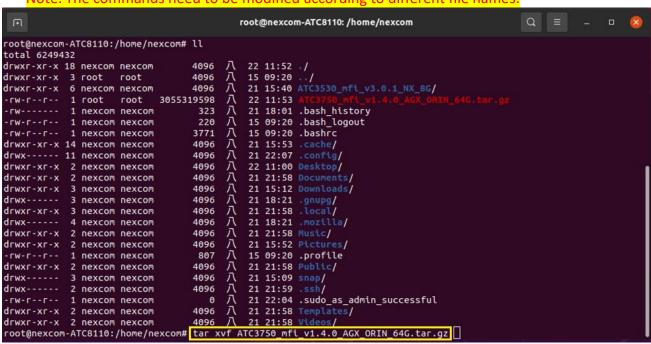


The Intelligent Systems

3. Entry command : sudo reboot –force forced-recovery and password then ATC system into recovery mode.

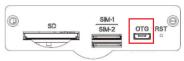


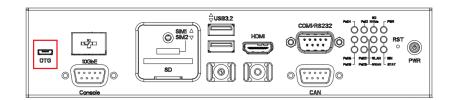
Go back to image folder and un-tar image file:
# tar xvf ATC3750\_mfi\_v1.4.0\_AGX\_ORIN\_64G.tar.gz
Note. The commands need to be modified according to different file names.



5. Using Micro USB cable connects Host system to ATC serial OTG USB port.

## ATC3200





ATC3750



The Intelligent Systems

 Execute recovery command : sudo ./tools/kernel\_flash/l4t\_initrd\_flash.sh --flash-only --massflash 1 Start to recovery image.



7. Recovery finished, it will shows "Success".



8. In ATC serial side, it will start to configure the system.

