



MaaXBoard 8ULP

Linux Yocto Release Note

V3.1

Release History

Rev.	Note	Date	Author
V1.0	MaaXBoard 8ULP Linux Yocto V1.1.0 Release	2022/11/10	Lily
V2.0	MaaXBoard-8ULP_If-5.15.71-2.2.0_Yocto_20230518_V2.0 Release	2023/05/16	Lily
V3.0	MaaXBoard-8ULP_If-6.1.1-1.0.0_Yocto_20230630 Release	2023/06/30	Lily
V3.1	MaaXBoard-8ULP_If-6.1.22-2.0.0_Yocto_20231027 Release	2023/10/27	Lily

MaaXBoard-8ULP-Linux-Yocto-ReleaseNote

1 Product Overview Introduction

- Software provides Yocto layers supporting MaaXBoard 8ULP Device to build customized Linux Distro / Image.
- An evaluation image with Weston Desktop.

2 Release Version

MaaXBoard-8ULP-Linux-Yocto-ReleaseNote-V3.1	
Avnet board name	MaaXBoard-8ULP
Based on NXP bsp Version	lf-6.1.22-2.0.0
Based on Hardware Version	V2.0(A2Silicon)
Release Date	2023/10/27
Release Description	Release for updating NXP bsp version to lf-6.1.22-2.0.0
Image Type	Yocto
Based on Yocto Version	mickledore(4.2)
Pre-built Image	avnet-image-full-maaxboard-8ulp-20231024030111.rootfs.wic
Manifest	avnet-image-full-maaxboard-8ulp-20231024030111.rootfs.wic.manifest
Bootloader Image	u-boot-maaxboard-8ulp.imx

3 Feature List

MaaXBoard-8ULP-Linux-Yocto-V3.1 Feature List	
Development Based on	NXP i.MX 8ULP
Based on NXP bsp Version	imx-6.1.22-2.0.0
Image Type	Yocto Image
Yocto Version	mickledore(4.2)
U-Boot Version	2023.04
Kernel Version	6.1.22
Boot	eMMC boot
Device-tree	Device-tree Overlay supported
Desktop	Weston 11.0
network	100M Ethernet (RJ45)
USB	2 x USB 2.0 Host 2 x UART debug ports from USB 2.0 Device
Expansion Interface	Pi HAT 40 Pin Expansion Interface (I2C,UART,SPI and GPIO)
Wireless Communication	WIFI & BLE 5.0
Display Output	MIPI-DSI display
Audio	1 Audio playback
Camera	MIPI-CSI Camera/USB Camera

4 Known issues and Limitations

Issue Identifier	Issue Description	Workaround
1	The frequency of the development board is reduced, and the main frequency is too low, resulting in video playback errors	

5 Other

- None.