# QuattroPod Mini T03 Specification



Revision	History	Date
V1.00	Initial Release	2022/Aug.

# Introduction

QuattroPod mini T03 is the new version of high performance WiFi Presentation System QuattroPod's new transmitter. Our T03 will work with R01 receiver to support wireless USB camera transmission from Receiver to Transmitter, then connect to your PC over USB to achieve BYOM (Build Your Own Meeting) scenario. You can simply use your meeting appsl like Zoom/Teams/Skype...etc. to share the camera content to people far away. It also supports "Split Screens Display", "Host Control System", and to provide a more friendly and efficient environment for BYOD (Bring Your Own Devices) events you need!

# What's in the box?

When you open the box, it contains

- QuattroPod Transmitter T03(hereinafter called Tx or T03), x1
- HDMI Cable for T02, L 15cm, x2

# **System Requirement:**

-PC: Any PC or laptops with HDMI output -USB mirror with Tablet/SmartPhone: iOS 10 above and Android 5.0 above \*Important: Android device must turn USB debugging (ADB) mode in advance

#### Transmitter (T02 Plus) Spec:

CPU	1Ghz AM8270 CPU		
DRAM	DDR3 256MB		
Flash	NAND Flash 256MB		
Input Resolution	• 1920x1080@60Hz		
	● 1920x1080i@60Hz		
	• 1280x720@60hz		
	• 1280x720@50hz		
	● 1920x1080@30Hz		
	● 1920x1080@50Hz		
	● 1920x1080i@50Hz		
I/O	HDMI in		
	<ul> <li>USB type A male</li> </ul>		
	USB type A female		
WiFi	802.11ac 1T1R, max. bandwidth 433Mbps (5Ghz)		
WiFi Frequency	5Ghz: 5.150Ghz~5.825Ghz		
Power	DC 5V, 0.9A		
HDCP	HDCP1.4		
LED Indication	Power, WiFi status, Connection		
Key	Mirror and Control button		
Switch	USB host and slave mode switch		
Power Consumption	<ul> <li>Standby: 2W approx.</li> </ul>		
Fower Consumption	<ul> <li>Casting: 4W approx.</li> </ul>		

Working Temp.	0~40°C
Storage Temp.	-20~70°C

# Dimension (T03):



### **Installation Guide:**

#### **PC Casting:**

- 1. Plug USB 5V(required 0.9A above), through adaptors or USB ports of laptops
- 2. Connect HDMI port with PC
- 3. Click mirror button to cast

#### HDMI to PC in (BYOM):

- 1. Plug USB camera to R01 receiver
- 2. USB 5V(required 0.9A above), through adaptors or USB ports of laptops
- 3. Open meeting apps (Zoom/Team/Skype...etc.) and select camera to "TO3"
- 4. You can also cast PC screen by clicking mirror button

\*Notice: If the HDMI cable is not long enough, please use extension cable to ensure the connection

\*\*You will have to update R01's firmware to latest version to work with T02 Plus/T03 transmitters.



#### 882100

MCS=7 PER @ -64 dBm, typical

# WiFi Channel Table (5Ghz, 2014 hz): PER @ -86 dBm, typical

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Be noted the usable band will vall based on differen@countdBegullations.

		MCS=2	PER @ -82 dBi	m, typical
Receive Ser	nsitivity <sup>Band_ra</sup>	n⊈MCS=3	Operating Channel PER @rs-78 dBi	Channel center M, typyGalcies(MHz)
(11ac,20MH	z) -	MCS=4	PER <sup>3</sup> @ -75 dBi	m, typicál <sup>80</sup>
@10% PER	5180 MHz~5	2149101192=5		5200
				1, typiog220
		MCS=6	PER <sup>4</sup> @ -69 dBi	
		MCS=7	PER <sub>5</sub> @ -68 dBi	m, typicate
	5200MH2~5	MCS=8	PER <sup>6</sup> @ -63 dBi	m, typica <sup>300</sup>
		MCS=0	PER 100 -84 dBi	m. typicato
	- - nsitivity <sup>550MHz~5</sup>	MCS=1		m typical
		1000-1		11, typicat
Receive Ser		MCS=2	PER1@ -79 dBi	m, typicā <sup>\$60</sup>
		MCS=3	PER <sup>116</sup>	m, typicąt
		MCS=4	PER 200 -73 dB	m, typicá <sup>620</sup>
(11ac,40MH	z)	MOOLE		5640
@10% PER	-	IVIC3-5		n, typica <sub>60</sub>
	-	MCS=6	PER 🔞 -67 dBi	m, typicā <sup>680</sup>
		MCS=7	PFR @ -65 dB	5700 m typicatus
		1000-7		5765
		MCS=8	PER <u>10</u> -61 dBi	m, typical <sup>65</sup>
	5/45IVIHZ~5	MCS=9	PER @ -60 dB	m, typicakos
		-	165	5825

# Tx's WiFi Parameters(5Ghz)

Feature	Description			
WLAN Standard	IEEE 802.11a/n/ac, Wi-Fi compliant			
Frequency Range	5.125 GHz ~ 5.845 GHz (5.0 GHz ISM Band)			
Number of Channels	5.0GHz : Band1~Band4,please see the table 1			
Modulation	802.11a/n : 64-QAM,16-QAM, QPSK, BPSK			
Modulation	802.11ac : 256-QAM, 64-QAM,16-QAM, QPSK, BPSK			
	802.11a /64-QAM(R=3/4) $:$ 14 dBm ± 1.5 dB @ EVM $\leq$ -25dB			
Output Power	802.11n /64-QAM(R=5/6) $: 13 \text{ dBm} \pm 1.5 \text{ dB} @ \text{EVM} \le -28 \text{ dB}$			
Output Fower	802.11ac/256-QAM(R=3/4) : 13 dBm ± 1.5 dB @ EVM $\leq$ -30dB			
	802.11ac/256-QAM(R=5/6) : 11 dBm ± 1.5 dB @ EVM $\leq$ -32dB			
Receive Sensitivity	- 6Mbps PER @ -85 dBm, typical			
(11a, 20MHz) @10%	- 9Mbps PER @ -83 dBm, typical			
PER	- 12Mbps PER @ -82 dBm, typical			



	- 18Mbps	PER @ -80 dBm, typical
	- 24Mbps	PER @ -76 dBm, typical
	- 36Mbps	PER @ -73 dBm, typical
	- 48Mbps	PER @ -68 dBm, typical
	- 54Mbps	PER @ -67 dBm, typical
	- MCS=0	PER @ -85 dBm, typical
	- MCS=1	PER @ -83 dBm, typical
Dessive Constitution	- MCS=2	PER @ -80 dBm, typical
(11p 20MHz)	- MCS=3	PER @ -77 dBm, typical
	- MCS=4	PER @ -73 dBm, typical
	- MCS=5	PER @ -69 dBm, typical
	- MCS=6	PER @ -67 dBm, typical
	- MCS=7	PER @ -66 dBm, typical
	- MCS=0	PER @ -83 dBm, typical
	- MCS=1	PER @ -80 dBm, typical
Bassiva Sansitivity	- MCS=2	PER @ -78 dBm, typical
(11p 40MHz)	- MCS=3	PER @ -75 dBm, typical
(111,40112) @10% PER	- MCS=4	PER @ -72 dBm, typical
	- MCS=5	PER @ -67 dBm, typical
	- MCS=6	PER @ -66 dBm, typical
	- MCS=7	PER @ -64 dBm, typical
	- MCS=0	PER @ -86 dBm, typical
	- MCS=1	PER @ -84 dBm, typical
	- MCS=2	PER @ -81 dBm, typical
Receive Sensitivity	- MCS=3	PER @ -77 dBm, typical
(11ac,20MHz)	- MCS=4	PER @ -74 dBm, typical
@10% PER	- MCS=5	PER @ -70 dBm, typical
	- MCS=6	PER @ -68 dBm, typical
	- MCS=7	PER @ -67 dBm, typical
	- MCS=8	PER @ -63 dBm, typical
	- MCS=0	PER @ -83 dBm, typical
	- MCS=1	PER @ -79 dBm, typical
Receive Sensitivity	- MCS=2	PER @ -77 dBm, typical
(11ac,40MHz)	- MCS=3	PER @ -74 dBm, typical
@10% PER	- MCS=4	PER @ -71 dBm, typical
	- MCS=5	PER @ -66 dBm, typical
	- MCS=6	PER @ -64 dBm, typical



	- MCS=7	PER @ -62 dBm, typical
	- MCS=8	PER @ -60 dBm, typical
	- MCS=9	PER @ -59 dBm, typical
	- MCS=0	PER @ -80 dBm, typical
	- MCS=1	PER @ -77 dBm, typical
	- MCS=2	PER @ -75 dBm, typical
Dessitive Constitution	- MCS=3	PER @ -71 dBm, typical
	- MCS=4	PER @ -68 dBm, typical
	- MCS=5	PER @ -66 dBm, typical
	- MCS=6	PER @ -62 dBm, typical
	- MCS=7	PER @ -60 dBm, typical
	- MCS=8	PER @ -57 dBm, typical
	- MCS=9	PER @ -56 dBm, typical

# **Frequent Applications & Operation** Channel Channel center Band (GHz) 1. Host has projected on screen, and quest required sharing the screen. Hz 5180

		40	5200	
5.15GHz~	5.25GHz Indicator 1	Modicator 2	Indication3	Result of
		10	5240	screen
		5	5260	Allow:
			5200	Share screen
5.25GHz~ Host	5.35	Single Click to allow, double click to deny		
		100 request	5500	Deny:
		104	5540	Keep full
Guest 5.5GHz~5	.7 <b>@<u>Hi</u>£</b> k main			screen
	button	124	5620	
		128	5640	
		132	5660	

5680

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#### 2. From share screen mode, Host allows Guest full screen request.

From share screen mode, Host allows Gueen full screen request. 5700						
	Indicator 1	Indication 2	Indicator 3	574务esult of screen		
Host 5.725G	Hz~5.	16 Click		5765 5785 5805 5825		
Gues	t EK TLong Press			GUEST		

3. Guest full screen mode, Host retrieves share screen request.

	Indicator 1	Indicator 2	Indicator 3	Result of screen
Host	click			Host Guest
Guest	O		O	

4. Guest full/share screen mode, Host retrieves full screen request.

	Indicator 1	Indicator 2	Indicator 3	Result of screen
Host	Long Press			Host
Guest				

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FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio

communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body

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第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時,應改善至無干擾時方得繼續使用。前項合法通信,指依電信法規定作業之無線電通信。低功率射頻電機須 忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

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