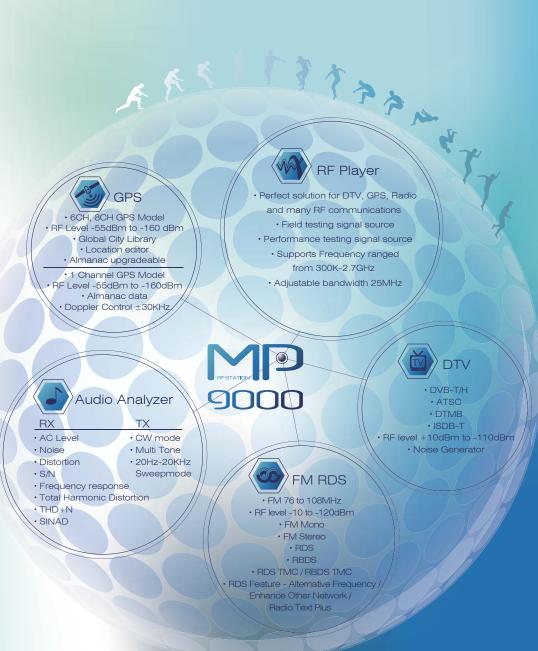


Product Features

Multi-Standards RF Communication Testing tool



Overview

ADIVIC proudly introduces the new model - MP9000 RF Station. MP9000 provides a platform that adopts different wireless communication modules into variety of combinations for different purposes & standard requirements of tests including GPS, FM RDS/TMC, DTV, Audio Analyzer and all one way communication standard. The MP9000 allows the users to implement single or multiple standards testing, such as concurrent parallel testing and sequence-based testing. MP9000 is sophisticated for R&D applications, and the user friendly GUI also makes it ideal for production line applications. By bringing in the concept of one does all, MP9000 would greatly benefit the customers with dramatic time saving and highlevel of cost-effectiveness.





An easy-to use GUI and an integrated 10.2" Touch panel fully conform with one of its designations to provide an user-friendly environment which allows the users to easily control the MP9000 functionalities. Speaking of compatibility, the USB and Ethernet ports are implemented to allow the users to easily integrate the MP9000 into the production-line ATE for production test purpose covering the semi-product (PCBA) and end product test.







System Specifications

• Processor: Intel Core 2 Duo Series

• Memory: DDRII 667 2GB

• System storage: SATAII 320G HDD or above

Power supply: AC 100 to 240V, 50/60Hz

Operating temperature: 0 to 50°C

• Operating humidity: 0% to 95% RH (Non Condensation)

• Storage temperature: -20 to +80°C

• Dimensions: 360(L) x 340(W) x 200(H) mm

• Weight: Approx.17Kgw

OS system: Windows XP Professional User interface

•10.2 inch TFT color LCD

•Touch Screen

External Interface

- USB 2.0 Port X 4
- eSATA X 1
- Ethernet LAN Port (10BASE-T / 100BASE-TX / 1000BASE-T) X

Option combination rule

Option	Module Slot
GPS	EXII 1
RF Player	INDLOGY ARTH 2 COT
Audio Analyzer/Generator	3
FM RDS TMC	1
Digital TV	2

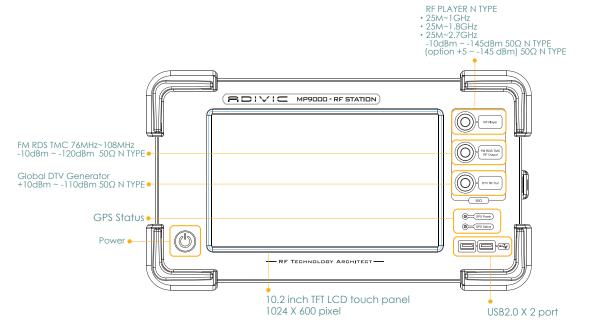
System module slot is 4

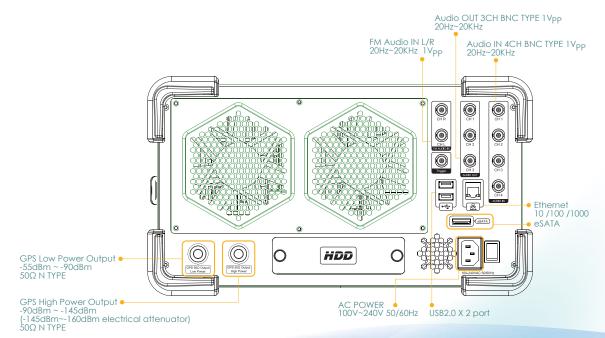
All Option module slot combination must ≤ 4

$$1 + 2 + 1 = 4 \le 4$$

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RF Player Option



ADIVIC RF PLAYER is an exquisite RF- engineering tool for both field testing and performance testing. It has the capability of replacing many expensive instruments from one RF communication to another. It is by far the only instrument which crosses over RF communication standards from



the past, the present and the future. RF PLAYER is meant for all existing RF communications, for all modulation schemes, for analogue and digital. MP9000 plays the streams recorded from the ADIVIC's RF Recorders.

Supports Communication standards including

Worldwide radio communications FM/RDS/TMC IBOC - HD Radio Satellite Radio DAB AM DRM



Worldwide Mobile	DigitalTV standards
• DVB-T/H	• ISDB-T
DVB-NGH	MediaFLO
OVB-T2	ATSC-MH
DVB-SH	OPEN CABLE
T-DMB	ATSC
DVB-C	DTMB
OVB-C2	NTSC
CMMB	• PAL
● ISDB-Tsb	SECAM
● ISDB-Tmm	

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Power

RF Player Performance Specifications

	Porformance	Specifications
`	renomiance	Specifications
Frequency Characteristics		

Frequency Characteristics	
□ Frequency range300 K ~	
	~ 1 GHz
25 MHz ~	1.8 GHz
25 MHz ~	
Real-time bandwidth (Digital vector modulation bandwidth)25 MHz m	
□ Frequency resolution1KHz step r	minimum
□ Warm-up time (typical)30	
□ Temperature stability+/-20 ppb m	naximum
□ Aging	
→ Per year+/-100 ppb m	
→ Per day+/-1 ppb m	
□ Initial achievable accuracy+/-50 ppb m	naximum
Spectral purity	
Phase Noise@1KHz, 1Ghz<-80	dBc/Hz
Spurious Responses	40 dPa
Second harmonic	-40 UDC
Output third-order distortion (IMD)	o typical
• (two -13 dBm tones, >200 kHz apart)70 dB	
DLO leakage	<-000BIII
RF Output Characteristics	
Output power range @ CW mode10 dBm to -145 dBm r	minimum
option +5 ~ -	
□ Amplitude resolution0.1dB step r	
□ Amplitude accuracy<+/-1dB -100dBm	~ -5dBm
<+/-2dB < -	
Output Impedance	50 ohms
Voltage Standing Wave Ratio (VSWR)	
25 MHz to 2.7 GHz	<1.7:1
Overload protection on RF output	aavimum
Maximum reverse RF power	
Maximum DC input	EOU VDC
Noise Floor@1GHz	
3 -10dBm output power<-120	
3 -20dBm output power<-130	
3-30dBm output power<-140)dBm/Hz
3 -40dBm output power<-150	
3 -50dBm output power<-160)dBm/Hz
Flatness	
□ IF Band(20MHz) flatness	3 Typical
• Group delay	, ,
₽ IF Band	71
	1.4 bito
© Resolution	
□ Sample1	IUUIVI5/S
▶ Storage	
StorageSSD:600 GByte (recommend	
HDD: 1 Tera S	tandard
Calibration	
• Calibration	1 year
_)··
Environmental	
Operating Environment	5000
Operating temperature 0 t	
Relative humidity	
Storage temperature	
Relative humidity	o to 95%





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