



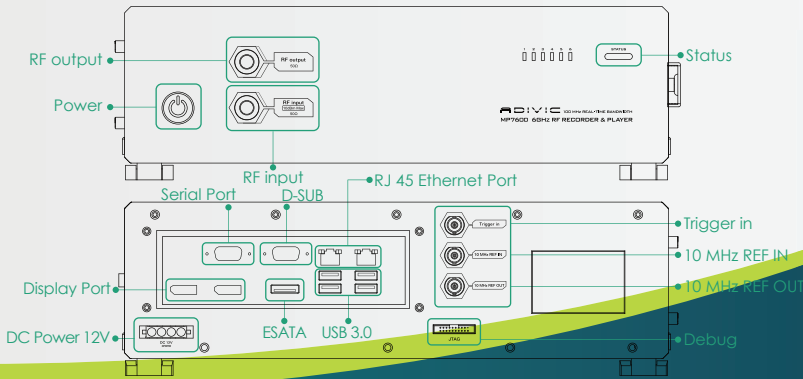
PRODUCT BROCHURE

ADIVIC
— RF TEST & MEASUREMENT —



MP7600 Features

1. Adjustable bandwidth from 1 MHz to 100 MHz
2. Frequency coverage from 300 KHz to 6.0 GHz
3. IQ rate 500 Mbps
4. 250 MS/s sampling rate in recording path
5. 16-Bit ADC, DAC resolution
6. 1PPS, IRIG-B support (Optional)
7. 3D spectrum analysis with signal intensity color indicator (Optional)
8. In support of GPS NMEA data logging recording
9. Frequency Mask Trigger (Optional)
10. Data formats compatible to MATLAB
11. Software utility support including I/Q data extractor and File segment
12. Matrix System supports 6 units sync (Optional)
13. 4 X 2.5" internal drive bays (up to 4 X 1 TB internal storage size, default 2 X 500 GB)



MP7600 6 GHz RF Signal Analyzer Specifications

Parameter	Specifications
Input Frequency Range	300 KHz~ 6 GHz
Real - time bandwidth	16 MHz @ Fc: 60 to 100.9 MHz 32 MHz @ Fc: 110 to 400 MHz 100 MHz @ Fc: 400.1 MHz to 6 GHz
Frequency resolution	10 Hz step minimum
Resolution Bandwidth(RBW)	500 Hz to 5 MHz
Max input power	+20 dBm peak, +10 dBm average
Input noise density	< -160 dBm/Hz
Input power accuracy	< +/- 1.0 dB
Phase Noise	< -100 dBc: 1 KHz offset @ 2.4 GHz < -95 dBc: 1 KHz offset @ 5.8 GHz
LO leakage to RF port	< -90 dBm
Third order input inter - modulation distortion(IMD3)	< -70 dBc @ < 10 dBm, fc > 10 MHz
Input Return loss	< -10 dB
ADC resolution	16- Bit
Sample rate	250 MS/s
Initial achievable accuracy	+/- 50 ppb maximum (OCXO) @ 25 C, after 60 minutes warm up
Temperature stability	+/- 20 ppb maximum(OCXO) @ 0 C to 40 C range, referenced to 25 C
Internal aging @ 25 C	+/- 1 ppb maximum(OCXO) / day aging +/- 100 ppb maximum(OCXO) / year aging
Operating Temperature	0 C to 50 C range
Warm - up time	> 30 minutes

RF Generator

Parameter	Specifications
Input Frequency Range	300 KHz to 6 GHz
Real time bandwidth	16 MHz @ Fc: 60 to 100.9 MHz 32 MHz @ Fc: 110 to 400 MHz 100 MHz @ Fc: 400.1 MHz to 6 GHz
Frequency resolution	10 Hz step minimum
Max Output power @ CW	0 dBm
Output power range	-145 dBm to 0 dBm
Power Accuracy	+/- 1.0 dB @ -100 dBm to 0 dBm +/- 2.0 dB @ < -100 dBm
Phase Noise	Phase noise < -100 dBc: 1 KHz offset @ 2.4 GHz Phase noise < -95 dBc: 1 KHz offset @ 5.8 GHz
Third order input intermodulation distortion(IMD3)	< -60 dBc @ -10 dBm (-13 dBm two tone power)
Output Return loss	< -10 dB
DAC resolution	16 Bits
Sample rate	1 GS/s
Initial achievable accuracy	+/- 50 ppb maximum (OCXO) @ 25 C, after 60 minutes warm up
Temperature stability	+/- 20 ppb maximum(OCXO) @ 0 C to 50 C range, referred to 25 C
Internal Reference @ 25 C	+/- 1 ppb maximum(OCXO) / day aging +/- 100 ppb maximum(OCXO) year / year aging
Operating Temperature	0 C to 50 C range
Warm up time	> 30 minutes

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