AD-HTS644

USB/Ethernet Handover Test System

64-Attenuation Channels : 4-Outputs, 95dB, 500-6000 MHz, 0.25dB Step size

Specifications

Attenuation Step Size (dB)	0.25			
Number of individually controlled RF chains	64			
Enclosure	5U Rackmount			
Connectors	SMA Female or N Female			
Operating Frequency (MHz)	500 – 6,000			
Attenuation Range (dB)	0 - 95			
Input 0.1dB Compression Power (dBm)	34			
Impedance (Ω)	50			
IP3 Input (dBm)[1]	+58			
Attenuation Accuracy (dB)	**Frequency**	**Conditions**	**Typical**	**Max**
	50 – 2000 MHz	0.25 – 20	± 0.25	± (5.5% of Atten. + 0.25)
		20.25 – 60	± 0.50	± (2.0% of Atten. + 0.90)
		60.25 – 90	± 0.75	± (3.5% of Atten. + 0.70)
	2000 – 4000 MHz	0.25 – 20	± 0.20	± (5.5% of Atten. + 0.25)
		20.25 – 60	± 0.30	± (2.0% of Atten. + 0.70)
		60.25 – 90	± 0.40	± (3.0% of Atten. + 0.90)
	4000 – 6000 MHz	0.25 – 20	± 0.15	± (6.5% of Atten. + 0.15)
		20.25 – 60	± 0.35	± (3.5% of Atten. + 0.45)
		60.25 – 90	± 0.65	± (3.5% of Atten. + 0.90)
Dwell Time per Channel (ms)[2]	1			
Min. Dwell Time for all Channels (ms)[3]	2			
Attenuation Transition Time (ns)[4]	325			
VSWR	< 2.0 : 1 (all states)			
Max Input RF Power (dBm)	+28			
Power Source	AC/DC Adapter (5V / 3A) Power Over Ethernet (PoE) (IEEE802.3at Class 2 compliant)			
Power Use (A)	1.2			
Operating Temperature (°C)	0 to 40			
Communication[5]	USB (Hybrid Serial COM Port and HID) Ethernet (Telnet, HTTP, HTTP Web GUI, DHCP & Static IP) Manual keypad panel			
Power Divider Isolation (dB)	21			
Insertion Loss (dB)		**Typical**	**Max**	
	50 MHz	9.8	13.5	
	2400 MHz	12.6	16.3	
	6000 MHz	14.4	17.7	

[A] Exceeding absolute maximum ratings may cause permanent damage. Operation should be restricted to the limits in the Operating Ranges table. Operation between operating range maximum and absolute maximum for extended periods may reduce reliability.
[B] Attenuator RF ports are interchangeable bidirectional signal transmission.
[1] Tested with 10 kHz span between signals.
[2] Dwell Time per Channel is the time the will take an individual attenuator channel to transition to a new attenuation state (without PC communication delays).
[3] Minimum Dwell Time for All Channels is the time it takes all channels to transition to a new attenuation state (without PC communication delays).
[4] Attenuation Transition Time is the time it takes an attenuator to reach a new attenuation state.
[5] USB support for simultaneous HID and Serial connections.

Adaura Technologies
adauratech.com
3017 Douglas Boulevard, Suite 300, Roseville, CA 95661, United States
T: (916) 970-7010 | sales@adauratech.com

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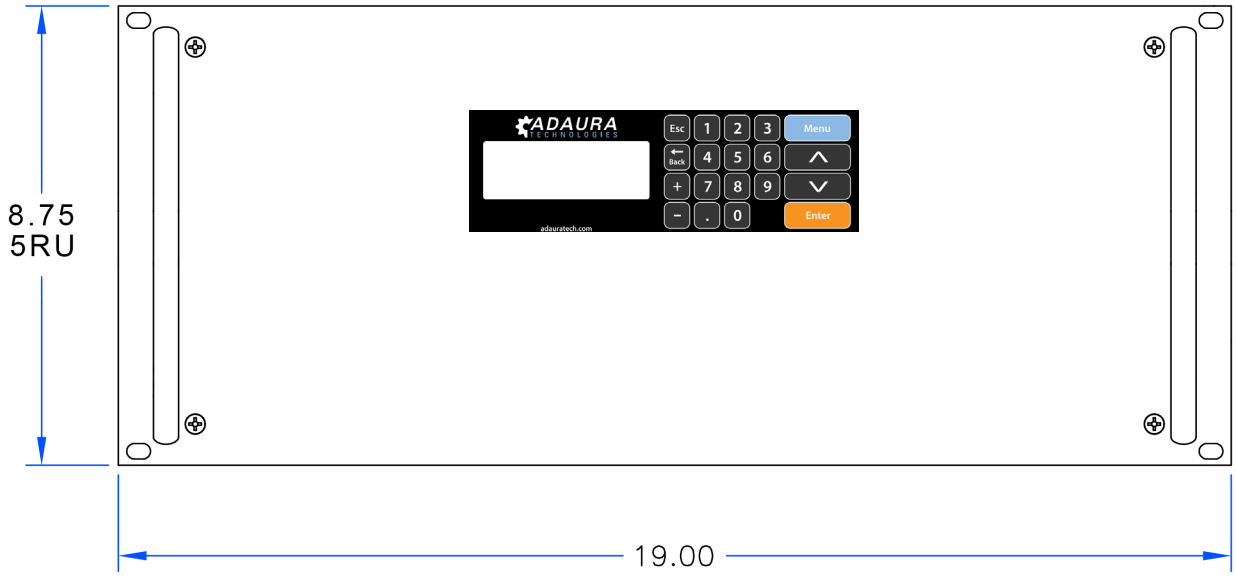
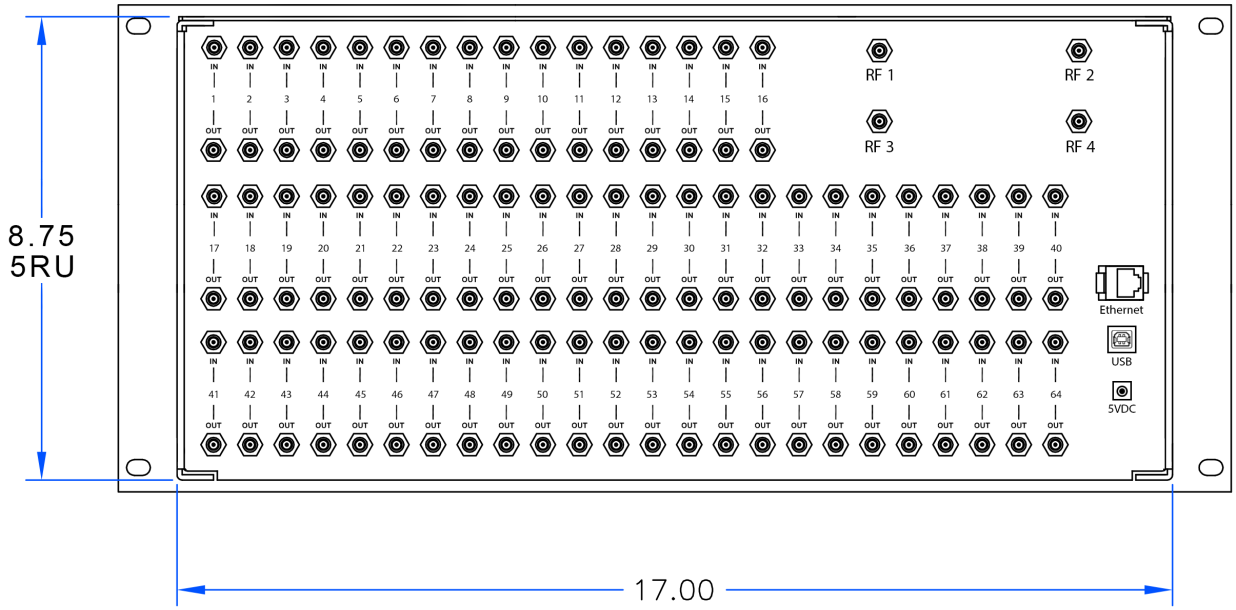
Drawing

- Units in inches (in)
- Depth: 24.00
- Connectors: N or SMA

FRONT VIEW





REAR VIEW

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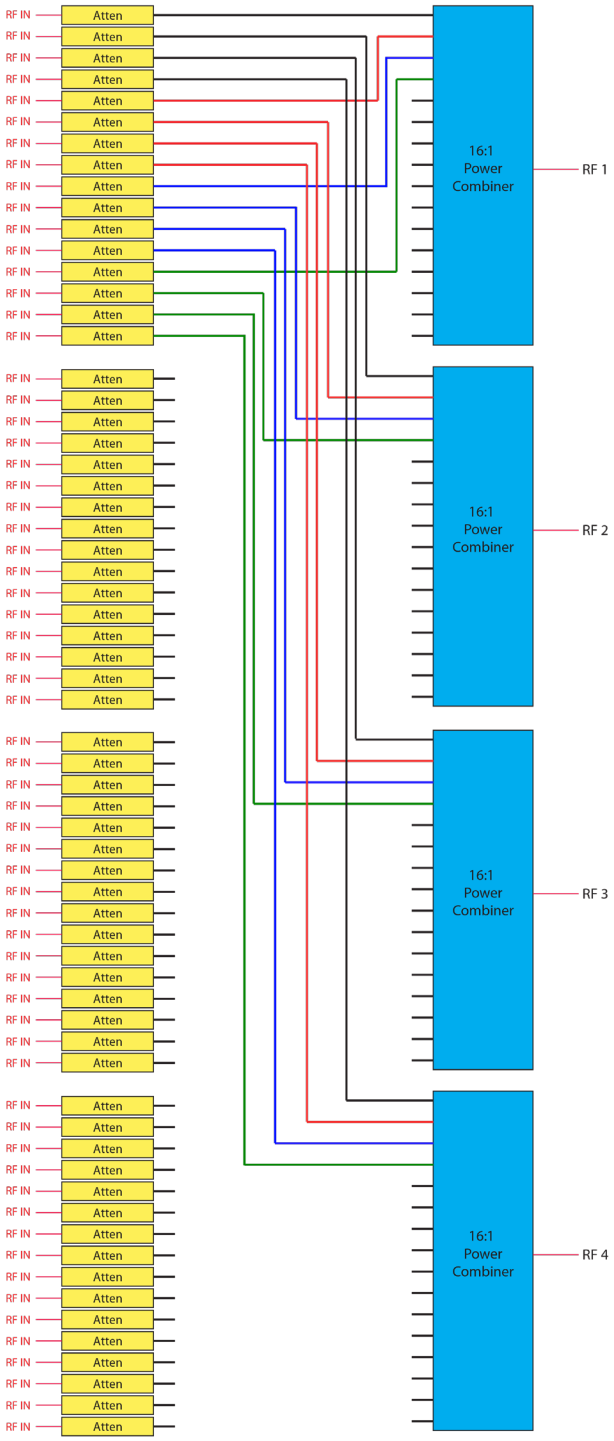
Block Diagram



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