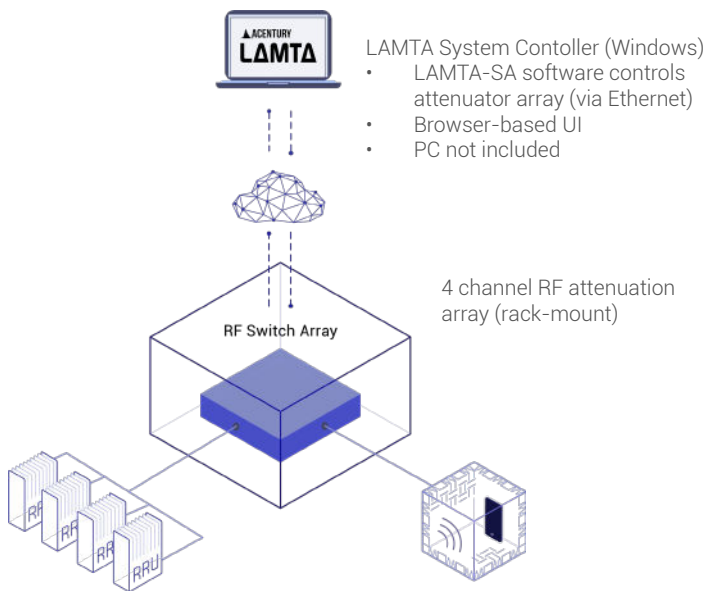


### System Overview

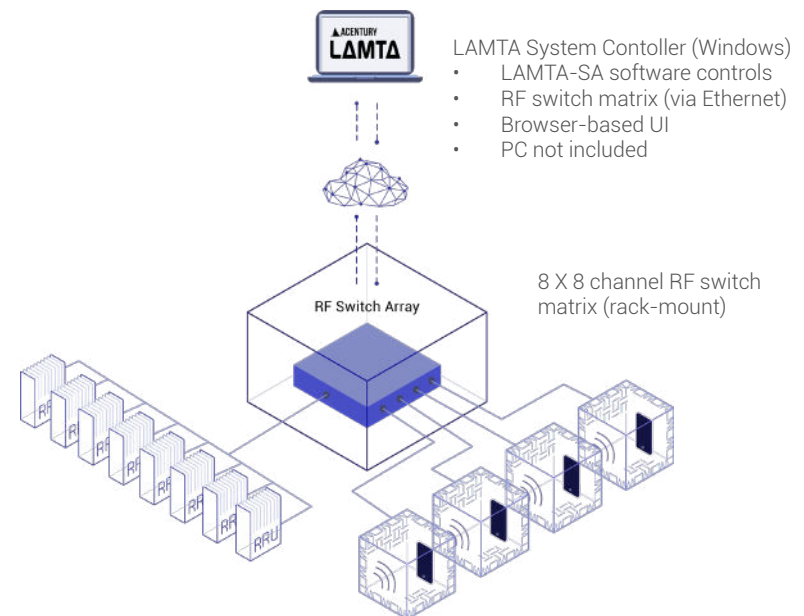
#### 1 LAMTA RF Test Position – 4 Channel (LAMTA-RTP-4)

A self-contained solution for individual test stations that includes an RF shield box, 4 channel attenuation array and LAMTA control software (PC-based).



#### 2 LAMTA RF Test System – 8x8 (LAMTA-RTS-8-x)

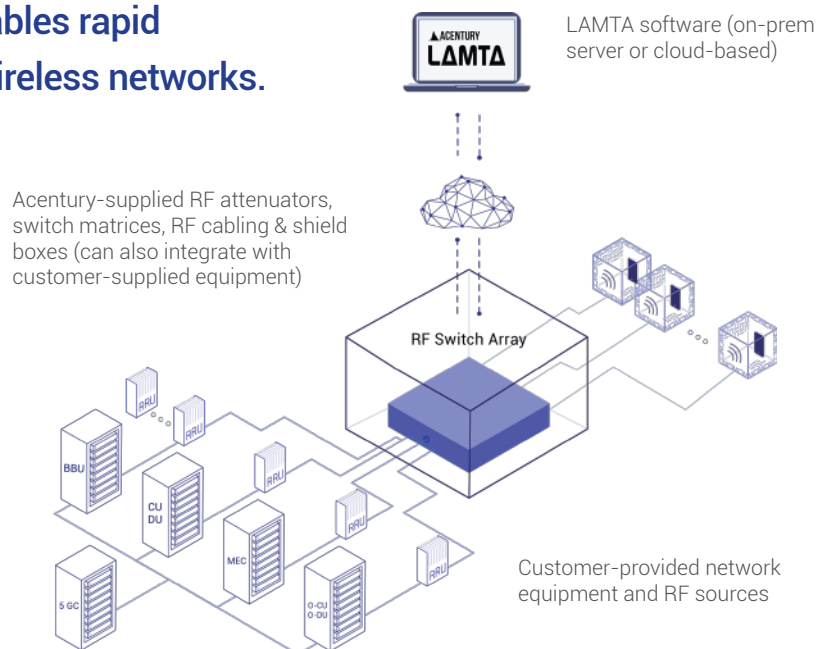
A starter system supporting up to eight RF inputs and eight RF test stations. Includes an 8x8 RF switch matrix and matrix control software which controls all 64 individual RF signal paths independently.



LAMTA is an orchestration platform that enables rapid testing and lab management for next-gen wireless networks.

### Benefits

- **Reduces testing operating expenses & accelerates time-to-market** by virtually eliminating test setup / tear-down times.
- **Enables more sophisticated testing & increases confidence in test results** by orchestrating all lab resources together through the same tool.
- **Optimizes lab resource usage** with extensive lab management and organization features.

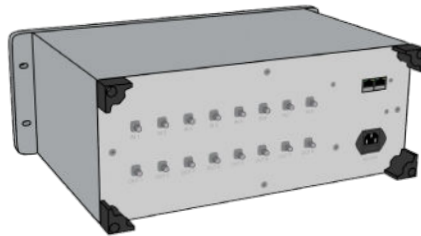


# System Overview

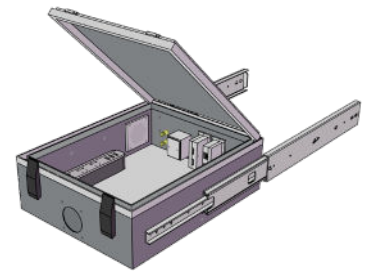
## LAMTA RF Test Position – 4 Channel (LAMTA-RTP-4)



Front View



Rear View



RF Shield Box  
(drawer style)

## Features

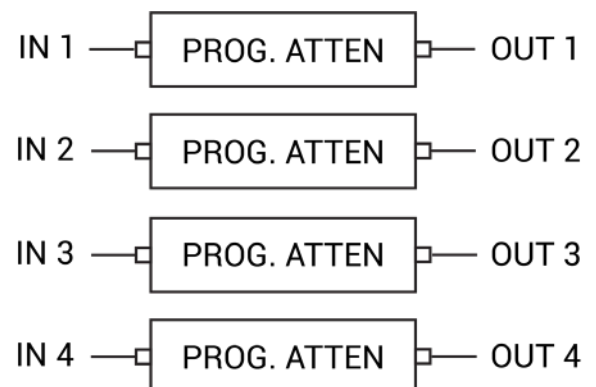
The LAA4-0575BS/N is a programmable, 4-channel RF Attenuation Array, with a frequency range of 0.5 to 7.5 GHz and attenuation range of 0 to 95 dB with 0.25dB attenuation step. The LAA4-0575S/N is included in the LAMTA-RTP-4. It is controlled by the LAMTA software to seamlessly recreate complex RF testing scenarios.

- Up to four RRU sources can connect to the LAMTA software-controlled attenuation array.
  - LAMTA software controls the attenuation array to vary the signal strength on each RF path
  - separately. **Supports roaming and handover test cases and limited MIMO and Carrier**
  - **Aggregation testing.**
  - Four (4) SMA multi-band antennas\*. 2 x USB3.0, 2 x 1G Ethernet, 1 x AC power pass-throughs.
- \*antennas not included

## Specifications

Frequency Range	0.5 – 7.5GHz
Impedance	50Ω
VSWR	1.5:1 Typical, 2.0:1 Maximum
Insertion Loss	<15dB
Attenuation Range	0-95dB/0.25dB step @ 0.5-6GHz 0-80dB/0.25dB step @ 6-7.5GHz
Attenuation Accuracy	(±0.3+5% Attenuation Setting) dB Typical
RF Input Power	30dBm
Switching Speed	2us typical
Remote Control	Ethernet (RJ45)
RF Connector	LAA4-0575BS: SMA Female LAA4-0575BN: N Female
Operating Temperature	0°C to +60°C
AC Supply	100-240 VAC @ 47-63 Hz
Control	Local: Touch Screen Display & Control Remote: Ethernet (RJ45), VB Scripting
Weight	10kg

## Signal Diagram



### Also available upon request:

- 2 channel and 8 channel versions
- Desktop attenuators and RF shield boxes

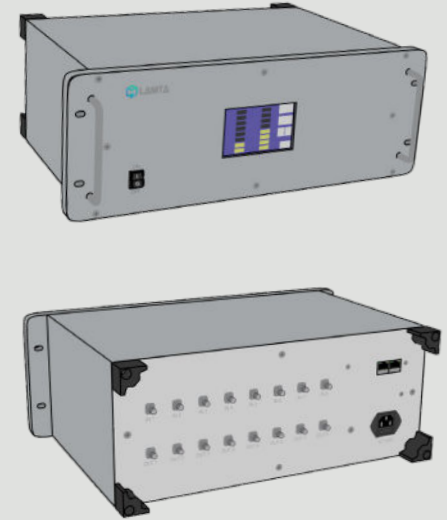
# System Overview

## LAMTA RF Test System – 8x8 (LAMTA-RTS-8-x)

### Features

LAMA8X8-0660AS/N is a non-blocking, programmable RF Attenuation Matrix with a frequency range of 0.6 to 6 GHz and an attenuation range of 0 to 70 dB. A built-in power sensor provides the power detection function for all RF input ports in real time. The LAMA8X8-0660AS/N is included in LAMTA-RTS-8-x. It is controlled by the LAMTA software to seamlessly recreate complex RF testing scenarios.

LAMA8X8-0660AS fits in the standard 19-inch rack package, and it will simplify wireless test setups (such as for handover testing) with a high degree of accuracy and stability.

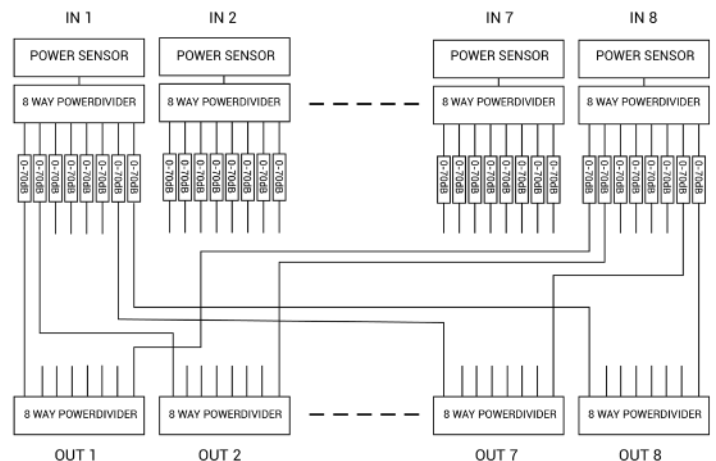


- **Variable attenuators no longer required** at each test station.
- Attenuation is **managed centrally by LAMTA**.
- LAMTA controls the RF Attenuation Matrix which performs all signal routing, combining, splitting and attenuation. **Enables more complex RF testing such as MIMO and Carrier Aggregation.**
- Up to eight RRU / RF sources can connect to the 8x8 matrix inputs. **Supports more advanced test cases like MIMO and Carrier Aggregation.**
- **Expand your testing.** Up to eight RF shield boxes can connect to the 8x8 matrix outputs.
- **Only one RF feed is required for each test station, reducing cost and clutter.**

### Specifications

Frequency Range	0.6-6GHz
Impedance	50 Ω
VSWR	< 1.6
Insertion Loss	< 25dB @ 600MHz < 36dB @ 6GHz
Attenuation Range	0-70dB/0.25dB step
Attenuation Accuracy	(± 0.3+4%) dB@6GHz
Isolation	RF IN to IN or OUT to OUT: >80dB RF IN to OUT: >100dB
RF Input Power	33dBm
Power Detection Dynamic Range	-5~+33dBm
Power Detection Accuracy	± 0.6dB
Switching Speed	<50ns
Remote Control	Ethernet (RJ45)
RF Connector	LAMA8X8-0660AS: SMA Female Connectors LAMA8X8-0660AN: N Female Connectors
Operating Temperature	0 ° C to +60 ° C
AC Supply	100-240 VAC @ 47-63 Hz

### Signal Diagram



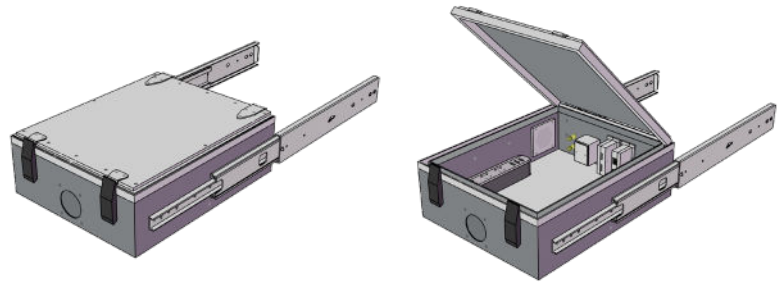
#### Also available upon request:

- 16 channel and 32 channel versions
- Desktop attenuators and RF shield boxes

# LASB-2RU RF Shield Box

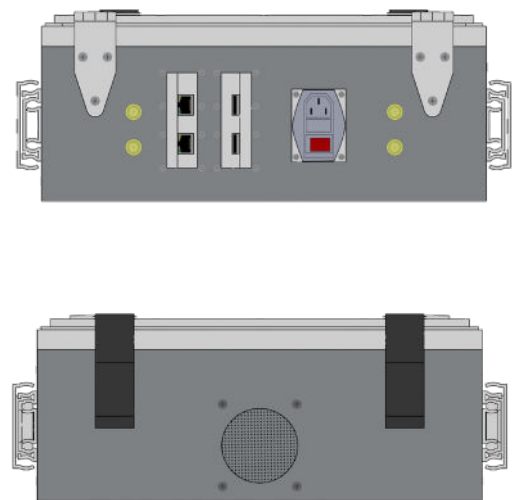
## Features

- Wireless Communication Test, EMI Test, Coupling Test, RF Function Test.
- High quality, cost effective and fast delivery.
- 19" Drawer for easy placement.
- Maximum 2 Shielding Boxes per drawer



## Specifications

Frequency Range	DC-8GHz
Isolation	> 80dB
Operation Mode	Manual
Shield Box Material	Stainless Steel
Shield Box Size (mm)	483W x 450D x 114H
Number of Ports	USB3.0 x 2, Ethernet RJ45 1G x 2, SMA – SMA Female Connector x 4, 110V AC 3 Socket x 1
Cooling	Cooling Fan + Vent x 1
Mounting	Rackmount Drawer
Temperature Range	10°C to +50°C



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