SRK-EMC-40xLT2

MTS-No.: 29894

Application

With this MTS rack you can emulate air interfaces for all imaginable scenarios. To avoid the influence from the live-net, the signals can be connected with cables directly from the different signal sources, as for example GSM or UMTS base stations or signal generators etc. over integrated Splitters and Air Interface Adapters into the Shielding Boxes to the mobile devices.
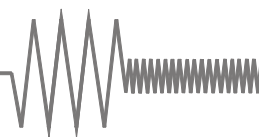
Description

This Unit is made for Air Interface Adapters of the series AIAD, which are our most flexible solution for an air interface emulation, Splitters for distributing RF signals and Shielding Boxes for an EMC screened 'room'.

With the AIADs it is possible to emulate the inputs and output according to the demands of the customer. The design allows program controlled attenuation of each input signal of one AIAD to one defined output signal of the same AIAD at the same time. The function is carried out by programmable attenuators on the input lines and output combiners.

Characteristics

▶ 40 inputs

▶ Frequency range from 500 MHz to 6000 MHz

▶ Attenuation range from 0 dB to 95 dB in 1 dB steps at each attenuator @ AIAD-10x4/1-6G

▶ On request attenuation in 0.5 dB steps (up to 95 dB) or in 0.25 dB steps (up to 32 dB)

▶ Switching time up to 10 ms

▶ 2x MSB-0073 and 2x AIAD-10x4/1-6G are not included!

▶ Integrated power supply 220 V - 240 V AC

▶ Remote control by LAN (other interfaces, colour display with touchpanel or web control on request)

▶ 19″ EMC-rack with 47 HU

▶ Air circulation is given by the integrated fans

▶ Windows control programs can be offered

▶ High quality materials and components for extended durability

▶ 19″ racksAir Interface Adapters or Shielding Boxes can be designed according to customers individual requirements

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Configuration:

40x 4.3-10 connections inclusive 40x power dividers, 3x LAN (10/100/1000 Mbit/s, with automatic speed detection),
6x feedthrough for fiber-optic and 2x 230 V power input as well as 1x integrated fan module (with 3x fan)

Technical data:

1 RF-specifications:

1.1	Impedance	50 Ω
1.2	Input power	+36 dBm max. @ the inputs
1.3	Frequency range	500 MHz - 6000 MHz
1.4	RF-connections	4.3.-10 female – SMA female
1.5	Attenuation @ in-out	0 dB - 95 dB in 1 dB steps 0.5 / 0.25 dB on request @ AIAD-10x4/1-6G

2 Connectors (outside / inside):

2.1	Antenna-interface	40x	4.3-10 female / -/-
2.2	LAN-interface	3x	RJ45 8-pole female / RJ45 8-pole female, 10/100/1000 Mbit/s, filtered, with automatic speed detection
2.3	Feedthrough for fiber-optic	6x	Ø 6mm hole
2.4	Ground connection		Screw M4 outside
2.5	Mains voltage supply	2x	Power plug (IEC 60320 C14) / 230 V AC power jack (CEE7/4)

3 Connections:

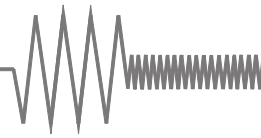|		
3.1	Front side	-/-
3.2	Rear side	Appliance plugs with the integrated fuses F1 and F2 Control interfaces
3.3	Top	RF-connections

4 General specifications:

4.1	Power supply AC	220 V – 240 V AC, 50 Hz 10 A max. per power input
4.2	LAN	50 V DC max., 0.35 A max.
4.3	Multiple socket	2x Standard multiple socket integrated
4.4	Internal power consumption	0.4 A max. for fans @ 230 V AC @ Power Rack
		0.5 A max. @ 230 V AC @ Power MTS within exactly 2x MSB-0073 + 2x AIAD-10x4/1-6G
4.5	Control displays	Control lamp in the power switch @ each AIAD
4.6	Control interfaces	LAN
4.7	Voltage supply	Standard rubber connector
4.8	Operating temperature	0 °C - +50 °C
4.9	Reference temperature for specifications	+25 °C
4.10	Dimensions (without handles and connections)	Outside: 80 cm x 80cm x 234.3 cm (L x W x H)
		Inside: 73 cm x 73 cm x 211 cm (L x W x H)
4.11	Colour	RAL 7035 (Top: RAL7021)
4.12	Weight	240 kg without AIADs, without MSBs

5 Delivered parts:

SRK-EMC-40xLT2
without AIADs, without MSBs
Power cable
CD with operating manual

6 Comments:

Warranty	12 months
RoHS-compliant	Yes

Configuration:

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6x feedthrough for fiber-optic and 2x 230 V power input as well as 1x integrated fan module (with 3x fan)

Technical data:

7   Recommended accessories:

2x AIAD-10x4/1-6G   Lighting bar
2x MSB-0073   Several antennas
                                      RF-cables
                                      Control software

Views: