



# ICA BaseLine Series

...designed for perfect signals



## IF Active Combiners (8-way, 16-way)

The ICA Baseline series represents professional active IF combiners in a compact 1RU/19" rack mount chassis, especially designed for RF distribution applications where excellent, stable and accurate signal quality and performance is necessary.

The units are available as 8-way or 16-way active combiners and operate at the IF frequency range 40 – 200MHz.

Additionally, they feature RF power monitoring and come with 1:1 redundant dual power supply.

Front side status LED's indicating and monitoring the health status of the unit. Remote configuration, monitoring and alarming can be done via an RJ45 Ethernet-Interface (WebGUI, SNMP).



## FEATURES & BENEFITS

- ▶ IF frequency (40 to 200MHz)
- ▶ Available as single combiners with 8:1 or 16:1 capacity
- ▶ 50Ohm SMA(f) or 50Ohm BNC(f)
- ▶ RF power monitoring

- ▶ Front panel status LED's
- ▶ Remote configuration and monitoring (WebGUI, SNMP)
- ▶ 1:1 redundant dual power supply

## TECHNICAL SPECIFICATIONS

<b>Dimensions:</b>	1RU/19" rack mount
<b>Power Supply:</b>	85 – 264V, 50/60Hz, 1:1 redundant
<b>Power Consumption:</b>	<10W
<b>Frequency Range:</b>	40 – 200MHz
<b>Input/Output Connectors:</b>	50Ohm SMA(f), 50Ohm BNC(f)*
<b>Input RF Power:</b>	+25dBm max.
<b>Input/Output Return Loss:</b>	18dB min., 23dB typ.
<b>Noise Figure:</b>	18dB typ., 19dB max.
<b>Isolation:</b>	23dB min., 25dB typ.



<b>Insertion Loss:</b>	0dB typ., ±1.0dB max.
<b>Frequency Response:</b>	±0.5dB max.
<b>P1dB:</b>	+20dBm typ.
<b>IMA3 @ -10dBm:</b>	-66dBc typ.
<b>SFDR:</b>	< -80dBm
<b>RF Power Monitoring:</b>	-60 to +5dBm dynamic range
<b>Remote Configuration:</b>	RJ45 Ethernet-Interface (WebGUI, SNMP)
<b>Status LED's:</b>	Power supply, Combiner Module, Ethernet status
<b>Operating Temperature:</b>	0°C to 50°C
<b>Storage Temperature:</b>	-20° to 75°C
<b>Humidity:</b>	90%, non-condensing
<b>RoHS:</b>	Compliant

## ORDER INFORMATION

### Type with 50Ohm SMA(f)

Module Type	Type No.	Short Description
ICA108-50S	9001143	Active IF Combiner, 8:1
ICA116-50S	9001141	Active IF Combiner, 16:1

*\*50Ohm BNC(f) available on request*