



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

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

Insertion Loss:	0dB typ., ±1.0dB max.
Frequency Response:	±0.5dB max.
P1dB:	+20dBm typ.
IMA3 @ -10dBm:	-66dBc typ.
SFDR:	< -80dBm
RF Power Monitoring:	-60 to +5dBm dynamic range
Remote Configuration:	RJ45 Ethernet-Interface (WebGUI, SNMP)
Status LED's:	Power supply, Combiner Module, Ethernet status
Operating Temperature:	0°C to 50°C
Storage Temperature:	-20° to 75°C
MTBF:	390khours MIL-HDBK-217F (25°C)
Humidity:	90%, non-condensing
RoHS:	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

Type with 50Ohm BNC(f)

Module Type	Type No.	Short Description
ICA108-50B	on request	Active IF Combiner, 8:1
ICA116-50B	9001156	Active IF Combiner, 16:1