

...designed for perfect signals

IF Active Splitters / Combiner (8-way, 16-way)

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

The units support IF frequency range 40 – 200MHz. Additionally, they feature switchable 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 splitter or single combiner
- ▶ 50Ohm SMA(f) or BNC(f)
- ▶ Front panel status LED's
- ▶ RF power monitoring
- ▶ 1:1 redundant dual power supply
- ▶ Remote access (WebGUI, SNMP)

TECHNICAL SPECIFICATIONS

Dimensions:	1RU/19" rack mount
Power Supply:	85 – 230V, 50/60Hz, 1:1 redundant (hot-swappable)
Power Consumption:	<10W (without LNB-supply) / <20W (with LNB-supply)
Frequency Range:	40 – 200MHz
Input/Output Connectors:	50Ohm SMA(f), 50Ohm BNC(f)*
Input RF Power:	+10dBm max. Splitter, + 25dBm Combiner
Input/Output Return Loss:	18dB min., 23dB typ.
Noise Figure:	4dB typ., 5dB max. Splitter, 18dB typ., 19dB max. Combiner
Isolation:	23dB min., 25dB typ.
Insertion Loss:	0dB typ., ±1.0dB max.
Frequency Response:	±0.5dB max.

P1dB:	+6dBm typ. Splitter, +20dBm typ. Combiner
IMA3 @ -10dBm:	-46dBc typ. Splitter, -66dBc typ. Combiner
SFDR:	< - 80dBm
RF Power Monitoring:	-60 to +5dBm dynamic range
Remote Configuration:	RJ45 Ethernet-Interface (WebGUI, SNMP)
Status LED's:	Power supply, Splitter Module(s), Ethernet status
Operating Temperature:	0°C to 50°C
Storage Temperature:	-20° to 75°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
ISA108-50S	9001144	Active IF Splitter 1:8
ISA116-50S	9001142	Active IF Splitter 1:16

* BNC 50Ohm on request