iRF SOLUTIONS
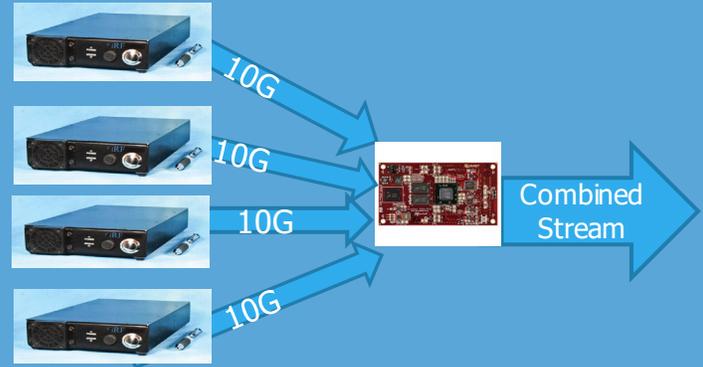
FEATURES

➤ Combine up to four 10GBE sources into a single downstream feed

➤ Layer agnostic - works with any Ethernet protocol

➤ Supports single-fiber transmit-only sources and single-fiber output

➤ Entirely automatic - no configuration is required.

10G 10G 10G 10G

Combined Stream

Maximize your downstream 10GbE network banwidth with this 4-to-1 network "combiner" utility. The iNU-0401 accepts up to four 10GbE streams as SFP+ and passes their network traffic downstream via a single SFP+ output port. Routing a single downstream link versus four eases installation and maintenance when the 10GbE sources are not using their full network bandwidth. This product operates without any prior set up configuration. It round-robins among the active sources and packs the downstream link with packets as they arrive without starving any source. A simple console interface is provided for status monitoring, but in normal operation it is not required. The iNU-0401 operates from a single +9VDC to +16VDC supply and includes an internal fan for cooling. Source bandwidth overflow is flagged via a front-panel LED that may be reset via a front-panel button.

- Simplified installations of digitizing receivers
- Combining digital IF streams from multiple products
- Maximize network bandwidth

iNU-0401 APPLICATIONS

Driven by SMART Technology

SPECIFICATIONS

SFP+ modules supported (not provided): 10GbE LR/SR

10GbE input sources supported: 0 to 4

Network protocols: Any operations on Ethernet frames

Maximum 10 GbE input bandwidth: 2.45Gbps (with four active sources, other combinations are possible)

Interface modes: Dual-fiber or single-fiber (TX only)

OPERATING INFORMATION

Operating tempature: -10°C to + 70°C

Serial Console: 115200 8N1 (FTDI-based USB micro-B)

Power consumption: < 25W

Power: +9VDC to +16 VDC (6-pin LEMO), protected by user-serviceable fuse, power pigtail included

Weight: < 2 lbs.

Dimensions: 5.5"W x 2"H x 7.75"D