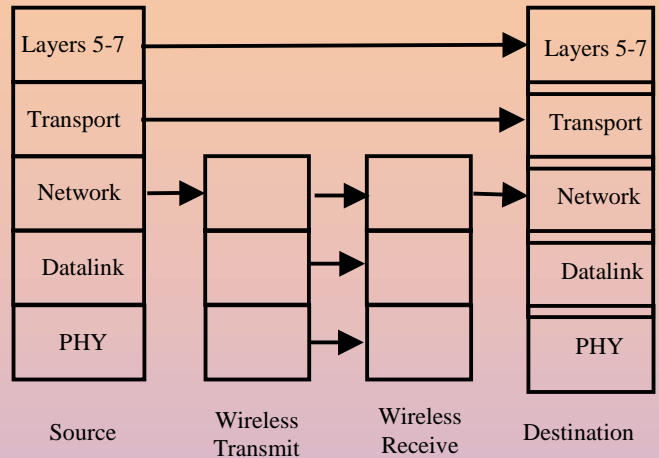


Broadband Inverse Multiplexer

The Broadband Inverse Multiplexer (IMUX) provides a means to distribute high bandwidth traffic across several lower bandwidth channels at the transmit side and then recombine this traffic at the receive side.

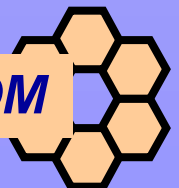
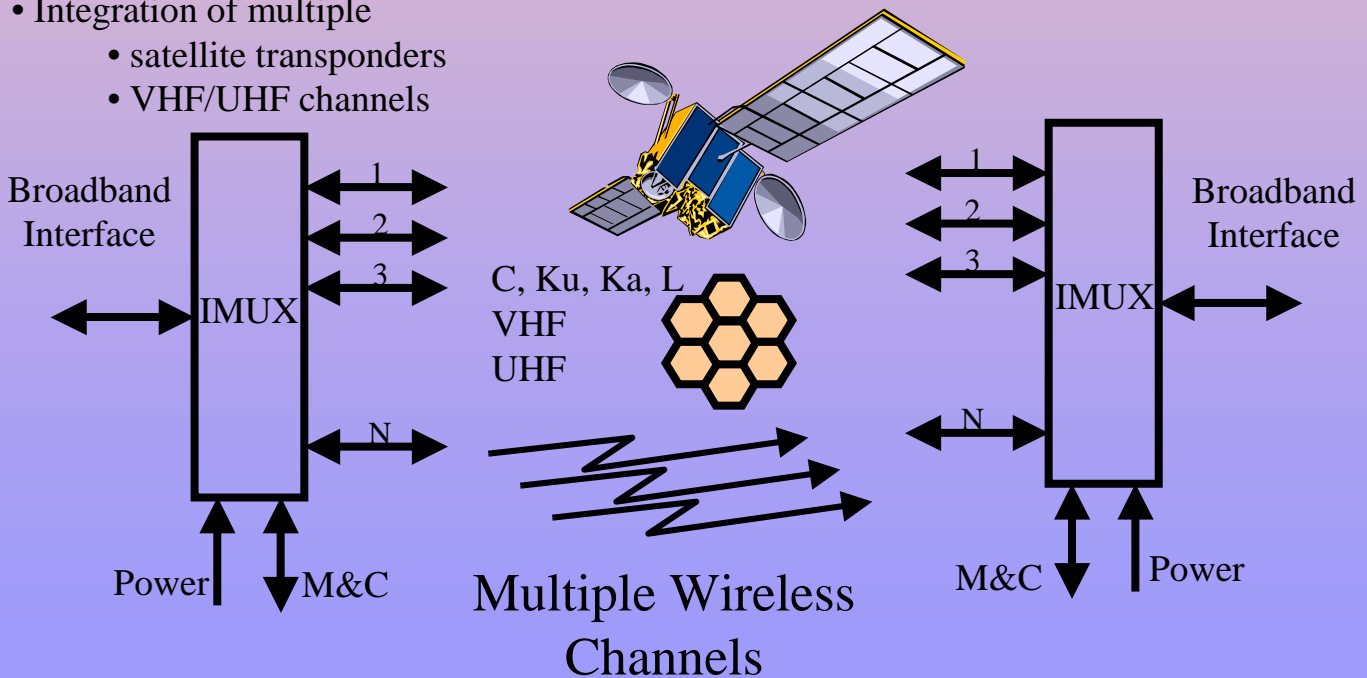
Features

- Achieve speeds up to 1 Gbps
- Network layer interface/adaptation
- Datalink/Physical layer termination
- Unidirectional or bi-directional
- Symmetrical or Asymmetrical



Applications

- Ideal for providing satellite/wireless extension or restoral of mission critical optical fiber.
- Create a broadband channel from multiple narrower bandwidth wireless channels
- Military and commercial applications
- Integration of multiple
 - satellite transponders
 - VHF/UHF channels



Specifications

Input – Source Output - Destination	Network Layer Link/Physical	<ul style="list-style-type: none"> • ATM, TCP • OC3-OC48, Sonet, Ethernet, Gigabit Ethernet, Firewire
Wireless Interface	Link/Physical Number of channels	<ul style="list-style-type: none"> • RS 232/422, DVB • 2-12, as procured
Performance & Functionality	Delay Null Packets Doppler Buffering Broadband Interface Timing Wireless Channel Timing Traffic Switching Packet Ordering Packet Filtering, Shaping Reliable Transport Fault Tolerance	As procured. Null packet generation across wireless channels and toward destination. Null packet discard from source. Satellite doppler buffer External clock, source and destination clock Sourced from modulator, demodulator Balance traffic across all wireless channels based on buffer fill. Packets re-ordered at receive IMUX Additional options
Environmental	Operating temperature Humidity	5 to +35 C 20 to 80% non-condensing
Monitor, Alarm, and Control	Interface Configuration Alarms	<ul style="list-style-type: none"> • 10/100 Base-T with IP formats • Configure traffic rate for each satellite port • Configure traffic filters (optional) • Configurable using a standard web browser via LAN port • Interface loss of clock, data • Packet Discarded • Power supply failure • Processor watchdog
Mechanical	Weight Size	Depends on configuration ordered
Power	Voltage	120 VAC, other voltages may be available upon request

