



AUSTRALIA'S MICROWAVE LINK MANUFACTURER



E620 EtherMux® -PTP Links

Spectrally Efficient Agile Radio - 620Mbps Capacity

Data Rates up to 310Mbps Full Duplex per Modem
Capable of Two Modems per Indoor Unit (620Mbps Full Duplex)
Channel Widths: 13.75, 27.5, 40, 55MHz
Frequency Bands: 8, 10.5, 11, 13, 18, 23GHz

Adaptive Modulation QPSK to 256QAM
Hitless Switching
1+0, 1+1, 2+0 Frequency & Space Diversity
Australian Design, Manufacture and Support

Radio

Bands (GHz)	Frequency (GHz)	Channels (MHz)
8	7.725 - 8.275	29.65
10	10.55 - 10.68	14
11	10.7 - 11.7	40
13	12.75 - 13.25	28
18	17.7 - 19.7	13.75, 27.5, 55
23	21.2 - 23.6	14, 28, 50

Receive Power Dynamic Range:

13.75MHz Channels: -100 to -30dBm

27.5/40/55MHz Channels: -90 to -20dBm

Modulations (Adaptive, Hitless Switching):

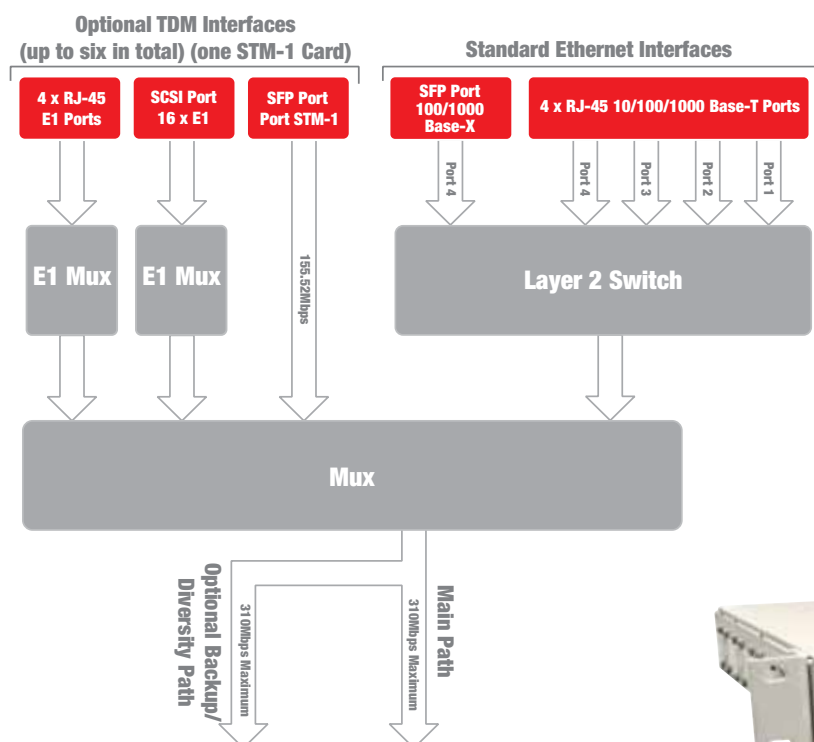
QPSK, 16QAM, 64QAM, 256QAM

Forward Error Correction: Trellis Coding and Reed-Solomon

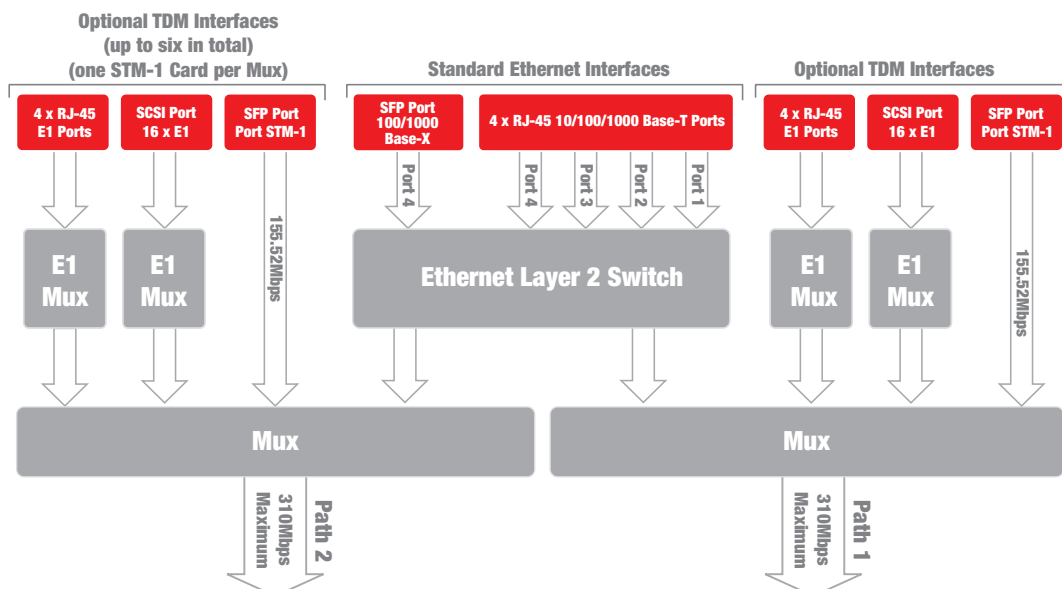
Configuration: 1+0, 1+1, 2+0, Frequency and Space Diversity

Configurable Customer Capacity and Interfaces

1+0 / 1+1 System



2+0 System



Customer Interfaces

Standard:

4 x 10/100/1000Base-T Ports, RJ-45

Allows Link Aggregation up to 620Mbps (full duplex)

Option 1 x 1000Base-X Port, SFP 3.3V @ 300mA max, 20 Contact

TDM Ports (6 in Total, any Interface any port):

STM1: SFP, 3.3V @ 300mA max, 20 Contact, Max 1 per Channel

16E1: SCSI2, 1.27mm Pitch, 68 Pin, Female, G.703

4E1: RJ48C, G.703, 120 ohm Twisted Pair

Management and Hardware

Command Line: Serial Console Port (USB2)

SNMP: V1, V2c, Std/Private MIBs (Any Ethernet Port)

Web Interface: HTTP (Any Ethernet Port)

MAC and Networking

Auto-Crossover & Auto-Negotiation

Jumbo frames up to 4K byte

Quality of Service, Trunking, Stacking, and/or Spanning Tree

QoS per Port, per IEEE802.1p tagged frames, IPv4 Type of Service (TOS) or

Differentiated Services (DiffServ), IPv6 Traffic Class, 802.1Q VLAN ID,

Destination MAC address or Source MAC address

Environmental and Mechanical

RF Head Unit (ODU) Temp: -40 to 60°C

Configurable Customer Unit (IDU) Temp: 0 to 50°C

ODU: 170 x 170 x 60mm, IP67

IDU: 1RU (Depth 300mm), IP51

Power Supply

Connectors: Pluggable Screw Terminals

Input Voltage: -48VDC nominal (-36 to -60VDC)

Input Current: < 7.5amp (Input Voltage = -36VDC)

IDU Power Consumption: < 110W

ODU Power Consumption: < 50W

Optional AC Supply: 90 to 264VAC

