

E-Link MultiPort™

4G Evolution™ Series

- Universal Signal Processor for TDM & IP Traffic
- Eases transition to 4G networks
- Reduces installation costs, safety risks and down time associated with upgrading network



Seamless Transition to 4G

E-Band's MultiPort™ is an optional indoor unit designed to ease the transition to 4G networks by providing configurable TDM and IP capabilities. Since MultiPort is software defined, carriers configure it to the exact needs of their network, thus reducing installation costs, safety risks and down time associated with upgrading network capacity and transitioning from TDM to IP networks.

Applications

WiMAX/LTE/4G backhaul

Mobile backhaul

Metropolitan Area Networks (MAN)

Features & Performance

- Accepts different types of serial inputs and converts them into a single data stream.
- Ethernet 4x10/100/1000.
- E-Link Interface Modules make customization of MultiPort easy, without having to climb towers as with competing solutions:
 - GigE and 2xE1/T1
 - GigE and 23xE1/T1
 - GigE and up to 3xSTM-1/OC-3
- High throughput (up to 1000Mbps, TDM/IP traffic).
- IP switch support: VLAN, QoS, ToS.
- Management: CLI, HTML, or SNMPv1.
- Reduces CAPEX expenditures. Enables the operator to maintain TDM traffic while migrating to an all IP network.
- Easy to install and reliable. Only one cable is needed between the MultiPort IDU and E-Link ODU.



E-Band is number 1 in 70/80 GHz annual market share based on a January 2010 research report using publicly available 2009 FCC license



Connecting a digital world.™

User Interfaces

Interfaces

T1/E1	2xE1/T1
Ethernet Switch	4x10/100/1000BaseT
VLAN	802.1q / 802.1d
QoS	DiffServ / ToS
Latency	<100 µsec
Packet Size	Up to 9728 bytes

Optional

STM-1 / OC-3 (Optical)	1, 2, or 3
STM-1 / STS-3 (Electrical)	1, 2, or 3
16xE1/T1	2 + 16xE1/T1
21xE1/T1	2 + 21xE1/T1

E-Link to MultiPort Interface

Data Rate	1250 Mbps full duplex
Interface Options (SFP)	Copper RJ-45 (100m) MM Fiber PT/LC connector (550m) SM Fiber PT/LC connector (5000m)

Electrical / Environmental (Indoor Unit)

Input Voltage	-48 VDC (-38.4 to -60 VDC)
Power Dissipation	45 watts
Power Connector	2 pin plug
Temperature Range	-5°C to +55°C / +23°F to +131°F
Altitude	15000 ft / 4500 m
Humidity	95% Non-Condensating

Management

Physical Interface	10/100BaseTX / RJ-45 Copper (100m)
Craft Interface	Embedded web based (HTML) server or CLI
EMS	SNMP v1

Physical

Weight	6.1 lbs / 2.7 kg
Dimensions	445mm (W) x 238.5 (Depth) x 44.5 mm (Height) 17.5 in x 9.4in x 1.75in

Regulatory

FCC Part 15, IEC 60950-1, CE

Ordering Information

Description	Model Number
2xE1/T1+Ethernet	EB-USP-001
18E1+Ethernet	EB-USP-101
23xE1/T1+Ethernet	EB-USP-201
2xE1/T1+Ethernet+1xSTM-1/OC-3	EB-USP-011
18xE1/T1+Ethernet+1xSTM-1/OC-3	EB-USP-111
23xE1/T1+Ethernet+1xSTM-1/OC-3	EB-USP-211
2xE1/T1+Ethernet+2xSTM-1/OC-3	EB-USP-A01
2xE1/T1+Ethernet+3xSTM-1/OC-3	EB-USP-A11

E-Band Communications Corporation
10095 Scripps Ranch Court, Ste. A
San Diego, CA 92131, USA
+1-858-408-0660
www.e-band.com

