



Your Partner for Growth



BG-64

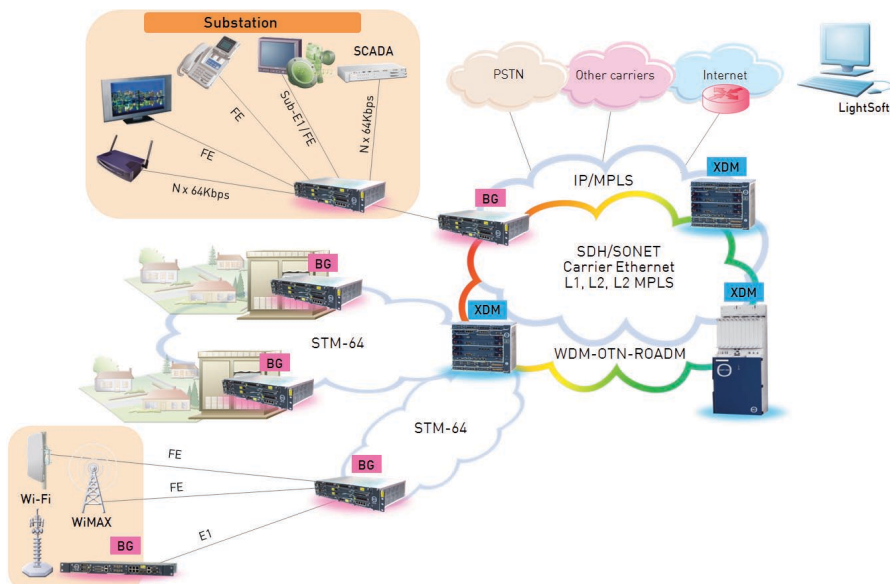


- Unique bandwidth efficiency – optical access platform with enhanced high-capacity access loop for NGN applications
- Carrier-grade platform – enhanced carrier class MPLS capabilities and redundant ADM-64/MADM-16
- Rugged and robust – designed for street cabinet and harsh environment installations
- Unique scalability – adding more services by coupling BG-30E to BG-64 and scaling bandwidth seamlessly from STM-16 to STM-64
- Cross connect (DXC 1/0) capability – supporting a rich mix of low bitrate interfaces

Higher Capacity Just Went Off the Scales

ECI's BG-64 is a revitalizing and advantageous solution for cellular, utilities, and metro-access operators, featuring a small footprint but vast potential. This product provides a full set of MPLS Layer 2 capabilities plus an entire range of Ethernet over SDH, Ethernet over PDH, PCM, PDH, and SDH services, allowing carriers to leverage their legacy SDH installed base while offering a mix of PCM and carrier class Ethernet services to

their customers. The BG-64 supports full triple play services, IPTV, VoD, VoIP, and HSI for residential NGN applications. It also optimizes as an access aggregation platform and as an MSAG (Multi Service Aggregation Gateway) CLE platform. It supports enhanced video handling and P2MP multicast tree connectivity, which enables highly efficient bandwidth savings for broadcast TV/IPTV services, as well as star VPLS for IPTV and IGMP control messages.



Technical Specifications

Interfaces, Topologies, and Protection		
SDH tributary and aggregate interfaces	STM-1, STM-4, STM-16, and STM-64	
PDH tributary interfaces	E1, E3, DS-3	
Data-aware interfaces	10/100/1000 Mbps, Ethernet over SDH (EoS), Ethernet over PDH (EoP), MPLS, and IP	
PCM interfaces	FX0, FXS, 2/4W E&M, V24, V35, G.703 64K	
Topologies	Mesh, multi-ring, ring, star, linear	
System Capacities		
Pluggable SFP/XFP support	Electrical, colored C/DWDM, non-colored	
Ethernet	<u>Layer 1</u>	<u>Layer 2 and MPLS</u>
	52 x 10/100BaseT 34 x 10/100FX 34 x 1000SX/LX/ZX	52 x 10/100BaseT 28 x 10/100FX 20 x 1000 SX/LX/ZX
SDH	40 x STM-1 31 x STM-4 15 x STM-16 2 x STM-64	
PDH/PCM	336 x E1, 30 x E3, 30 x DS-3, 72 x PCM I/F	
Other Specifications		
Power input	-40 VDC to -75 VDC	
Max. power dissipation		
BG-64	360 W	
BG-64 and BG-30E	490 W	
Operating temperature range	-5°C to +70°C 23°F to 158°F	
Operating RH range	5% to 95%	
Environmental standards	ETS 300 019-1-3 Class 3.3 ETS 300 019-1-1 Class 1.2 ETS 300 019-1-2 Class 2.3	
Safety	EN 60950/2000, according to LVD Directive 72/23/EEC EN 60825 -1&2	
Management	End-to-end management of all layers and services	
Physical dimensions (mm)		
BG-64	88 (H) x 465 (W) x 263 (D)	
BG-30E	88 (H) x 465 (W) x 263 (D)	



1Net

1Net defines ECI's total focus on facilitating our customers' optimal transition to Next-Generation Networks, through the unique combination of innovative and multi-functional network equipment, fully integrated solutions and all-around services



www.ecitele.com

ECI Headquarters
Tel: +972 3926 6555
Fax: +972 3928 7100

EMEA
Tel: +44 1256 388000
Fax: +44 1256 388143

RoAPAC
Tel: +65 6505 1960
Fax: +65 6505 1999

CIS
Tel: +972 3926 8548
Fax: +972 3926 6452

Americas
Tel: +1 954 772 3070
Fax: +1 954 351 4404

India (Mumbai)
Tel: +91 22 6715 5555
Fax: +91 22 6675 8973

