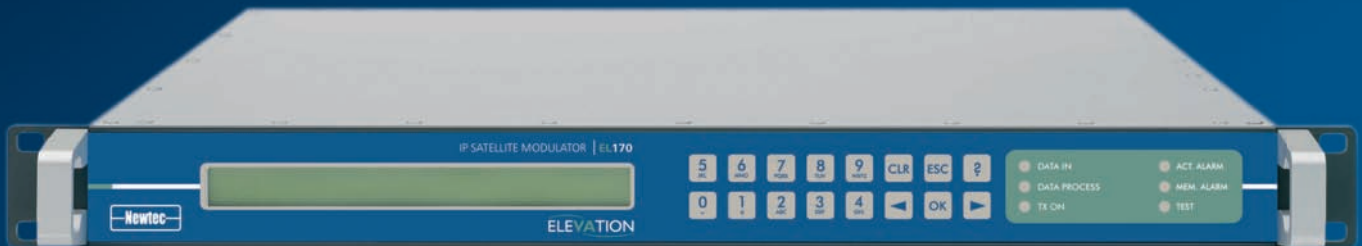


QUICK REFERENCE GUIDE

ELEVATION



Elevation is a family of professional equipment specifically designed to optimize the efficiency and performance of IP applications over satellite.

The Elevation family includes IP modulators, IP demodulators, and IP modems as well as a range of IP appliances that provide a state-of-the-art traffic enhancement and compression capabilities for the IP services.

Elevation devices are native IP products that seamlessly integrate with terrestrial IP networks. They feature standard Ethernet/Gigabit Ethernet interfaces, embedded IP routing and processing functions.

Segment	Modulator	Modem	Demodulator
IP	EL 170 IP Satellite Modulator	EL 470 IP Satellite Modem	EL 970 IP Satellite Demodulator
Modulation	EL 178 High Speed IP Sat. Modulator	EL 478 High Speed IP Sat. Modem	EL 978 High Speed IP Sat. Demod.
Equipment			EL 940 IP Satellite Receiver

IP Appliances

EL 810 Mobile PEP-Box Terminal
EL 830 PEP-Box Gateway
EL 838 High Speed PEP-Box Gateway
EL 840 PEP-Box Server
EL 848 High Speed PEP-Box Server
EL 860 CCM/VCM/ACM Shaper and Encapsulator



EL 810 Mobile PEP-Box Terminal



EL 830 PEP-Box Gateway

EL 840 PEP-Box Server

EL 860 CCM/VCM/ACM Shaper and Encapsulator



EL 838 High Speed PEP-Box Gateway

EL 848 High Speed PEP-Box Server

How to use the product numbers:

The two first letters identify the product family (EL for Elevation)

EL 170 Satellite IP Modulator

The third digit identifies a variant (example 0 = normal, 8 = high speed)

The second digit identifies the type of the device

The first digit identifies the function of the device:

- 1 = modulator
- 4 = modem
- 8 = IP appliance
- 9 = demodulator



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Models

EL170: IP Satellite Modulator

Applications: IP trunking, backbone, corporate networks, primary distribution of IPTV, digital cinema, digital signage
Key Features: DVB-S & DVB-S2 - GbE input - IF, L-band or extended L-band - MPE, ULE, XPE or GSE - Multistream, VCM, ACM and Equalink™ options - up to 130 Mbit/s - AES security

EL178: High Speed IP Satellite Modulator

Applications: IP trunking, backbone, disaster recovery
Key Features: DVB-S2 - GbE input - IF, L-band or extended L-band - XPE - Multistream, VCM, ACM and Equalink™ options – up to 160 Mbit/s - AES security

EL470: IP Satellite Modem

Applications: IP trunking, backbone, corporate networks, backhauling, disaster recovery
Key Features: DVB-S & DVB-S2 - GbE input/output - IF or L-band input/output - Extended L-band output - MPE, ULE, XPE or GSE - NoDE - Multistream, VCM, ACM and Equalink™ options – up to 130 Mbit/s - AES security - 2 Mbaud modulation

EL478: High Speed IP Satellite Modem

Applications: IP trunking, backbone, disaster recovery
Key Features: DVB-S2 - GbE input/output - IF or L-band input/output - Extended L-band output - XPE - NoDE - Multistream, VCM, ACM and Equalink™ options – up to 160 Mbit/s - AES security

EL940: IP Satellite Receiver

Applications: IP trunking, corporate networks, backhauling, IPTV, digital cinema, digital signage
Key Features: DVB-S & DVB-S2 - L-band input – GbE output - MPE, XPE - Multistream, VCM, ACM – up to 105 Mbit/s

EL970: IP Satellite Demodulator

Applications: IP trunking, corporate networks, backhauling
Key Features: DVB-S & DVB-S2 - IF or L-band input – GbE output - MPE, ULE, XPE or GSE – NoDE - Multistream, VCM, ACM – up to 130 Mbit/s - AES security

EL978: High Speed IP Satellite Demodulator

Applications: IP trunking, corporate networks, backhauling
Key Features: DVB-S2 - IF or L-band input – GbE output - XPE – NoDE - Multistream, VCM, ACM – up to 160 Mbit/s - AES security

EL810: Mobile PEP-Box Terminal

Applications: VSAT, mobile and portable VSAT, corporate, governmental and/or educational networks
Key features: TCP/IP acceleration - traffic compression - VPN security - USB powered - up to 5 Mbit/s

EL830: PEP-Box Gateway

Applications: IP Trunking, IP backbone, cable restoration
Key features: TCP/IP acceleration - traffic compression - traffic shaping - VPN security - up to 25 Mbit/s

EL838: High-Speed PEP-Box Gateway

Applications: IP Trunking, IP Backbone, cable restoration
Key Features: TCP/IP acceleration - traffic compression - traffic Shaping - VPN security - up to 155 Mbit/s

EL840: PEP-Box Server

Applications: One-Way Internet Access, VSAT, corporate networking, IP Trunking, backbone, cable restoration
Key features: TCP/IP acceleration - traffic compression - traffic shaping - VPN security - up to 25 Mbit/s

EL848 High-Speed PEP-Box Server

Applications: One-Way Internet Access, VSAT, corporate networking, IP Trunking, backbone, cable restoration
Key Features: TCP/IP acceleration - traffic compression - traffic shaping - VPN security - up to 155 Mbit/s

EL860: CCM/VCM/ACM Shaper and Encapsulator

Applications: VSAT, IP trunking, backbone
Key features: ACM controller - traffic shaping - DVB-S2 IP encapsulation (Base-Band frame output)

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