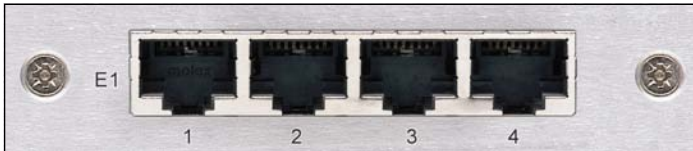


P3706 Quad E1 G.703 Mux card



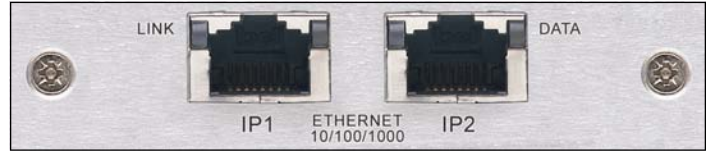
- ▶ Supports up to 4 x synchronous E1 G.703 balanced interfaces multiplexed to a single carrier
- ▶ Includes Drop & Insert function on port 1 as standard
- ▶ Can be configured as Drop & Insert or full E1 on any port
- ▶ Supports the Extended Drop & Insert function, provided this feature is in the host modem, catering for any number of timeslots 1 to 31
- ▶ Provides efficient use of satellite bandwidth by transmitting only revenue earning traffic
- ▶ Requires IBS/SMS option in the host modem
- ▶ Can be operated in stand-alone or 1:1 redundant configuration

P3713 Eurocom D1 / EIA530 card



- ▶ Provides a Eurocom D interface, not limited to Eurocom D rates. Supports <16kbps to >2048kbps AMI coded, plus an internal transmit clock facility, if required
- ▶ Provides a Eurocom G interface 16kbps or 32kbps diphas coded
- ▶ Offers balanced Eurocom signals via true floating transformer-coupled or a ground referenced interface
- ▶ Electronically selectable EIA530 signals, on the same 25-way D type female connector
- ▶ EIA530 DCE allows RS422 / X.21 / V.35, to 10Mbps (subject to maximum data rate options in the host modem) / RS232 (maximum 100kbps) / balanced G.703 (provided host modem has G.703 option)

P3714 IP Traffic card



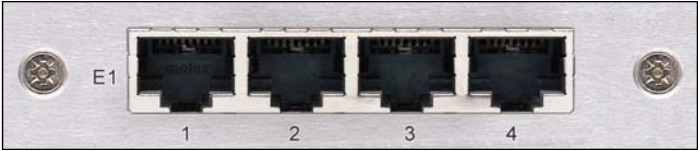
- ▶ Supports TCP acceleration to 16,896kbps, 25Mbps (option) or 55Mbps (option), subject to compatible data rate options in the host modem
- ▶ Supports up to 1000 concurrent TCP connections
- ▶ Overcomes the inherent limitations of standard TCP/IP over satellite
- ▶ Improves bandwidth utilisation to approximately 90% of selected data rate, with acceleration on
- ▶ Reduces the inefficiencies of the standard TCP slow start algorithm
- ▶ Prevents unnecessary activation of TCP congestion control algorithm
- ▶ Supports UDP and IP header compression to RFC 3095 at throughput levels up to 16,896kbps (option)
- ▶ Improves security by separating IP traffic from Ethernet remote M&C
- ▶ Dual Ethernet RJ45 ports support 10/100/1000 BaseT Ethernet
- ▶ Can be operated in stand-alone, 1:1 or 1:N redundant configuration

P3709 Eurocom D1 card



- ▶ Provides a Eurocom D interface <16kbps to >2048kbps AMI coded, not limited to Eurocom rates, plus an internal transmit clock facility, if required
- ▶ Provides a Eurocom G interface 16kbps or 32kbps diphas coded
- ▶ Offers balanced Eurocom signals via true floating transformer-coupled or a ground referenced interface
- ▶ 25-way D type male connector, pin for pin compatible with the P300 Eurocom modem

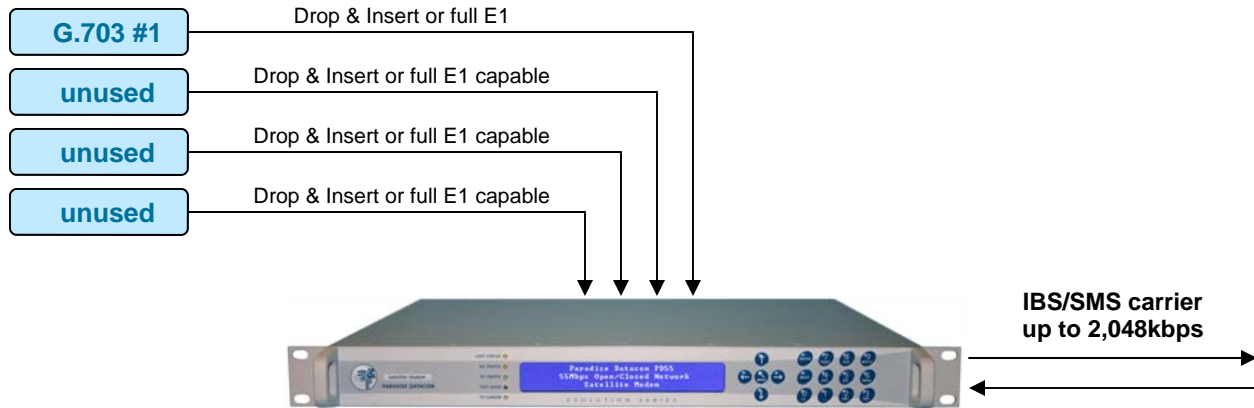
Applications:
P3706 Quad E1 G.703 Mux card



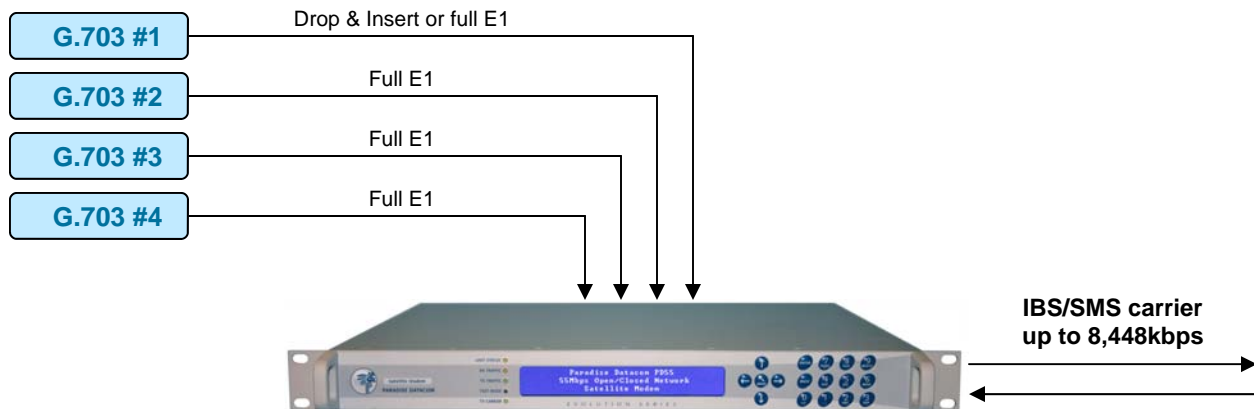
- ▶ **GSM over satellite**
- ▶ **Fixed or expanding systems using E1 bearers**
- ▶ **Situations where multiple E1 bearers must be concentrated into a single carrier**

E1 interfaces can be enabled and configured by the user using front panel or remote control so as to match traffic demands. E1 G.703 ports may be progressively enabled, and when enabled, all ports may carry either partial E1 bearers (using Drop & Insert) or full E1 channels.

Example of an initial install with a single E1 bearer for a phase 1 GSM system



Example of a final install with three full E1 bearers plus either a full or partial E1



Paradise Datacom reserves the right to change specifications of products described in this document at any time without notice and without obligation to notify any person of such changes. Refer to the website or contact Sales or Customer Services for the latest product information.