The **FPC100** is a rack mounted control unit designed to interface to the Peak range of remote mounted equipment (including but not limited to agile frequency converters, multi-range block converter etc.). It will allow the monitoring and control of up to 3 separate products (which can be configured for redundancy operation).

The **FPC100** incorporates a graphics display module, membrane keyboard and features a clear and intuitive control and configuration menu fully utilising the unique graphics display.

**Peak Features**

- Connects to up to three remote mounted products via Ethernet RJ45 interface
- MCR &/or hub installation for maintenance & general monitoring/ control intervention purposes
- Alarm monitoring, frequency/gain/switching control, remote trimming of internal reference frequencies etc.
FPC100 – Typical Specification

Mechanical
- Width: 19”, standard rack mount
- Height: 1U (1.75”)
- Depth: ~225mm (8.9”), plus connectors
- Construction: Aluminium chassis
- Weight: <2.5kgs (10lbs)

Environmental
- Operating temp: -10°C to +50°C
- EMC: EN55022 part B & EN50082-1
- Safety: EN60950

Power supply
- Voltage: 90-264VAC
  - Option 7: provides a redundant internal power supply configuration with separate prime power inputs
- Frequency: 47-63Hz
- Power: 50 Watts max.

Control System Interface
The unit will allow monitoring and control of the chosen target unit/s or system via Ethernet.

  Note: this unit does not provide a gateway interface to the target units/ system, so if an interface to an NMS M&C system is required, this should be implemented directly with the target units/ system (via an Ethernet hub).

  Local interface: Graphics display & keypad
  Alarms: PSU fail

DC Drive Generation – Option 1
- Drive: Fed to BDC/ BUC via a separate, 9-way, D-Type connector
- Voltage: +17 to 36VDC (factory settable, please specify on order placement)
- Current: 2A max (for higher current please consult the factory)

Options
1) DC drives for remote mounted block converters (PBU(B) & PBD(B) series only).
2) Front panel with custom logo and colours
7) Redundant power supplies with dual mains inputs
12) Cable assemblies for interfacing to remote mounted converters – Please consult factory for specific requirements

Associated Products:
- P7001R Remote Mounted Agile L-Band Down Converter
- P7002R Remote Mounted Agile Up Converter
- T1000LR/ R1000LR Remote Mounted 1+1 Redundancy Switch unit
- T2000LR/ R2000LR Remote Mounted 2+1 Redundancy Switch unit
- PBD(B) series Remote Mounted Block Down Converters
- PBU(B) series Remote Mounted Block Up Converters
- Etc.

Rear Panel

Peak Communications reserves the right to alter the specifications of this equipment without prior notice. FPC100-200120.
Peak Communications Ltd., Unit 1, The Woodvale Centre, Woodvale Road, Brighouse, West Yorkshire, HD6 4AB, U.K.
Tel; +44 (0)1484 714200 Sales; +44 (0)1484 714229 Fax; +44(0)1484 723666 Email; sales@peakcom.co.uk web; www.peakcom.co.uk