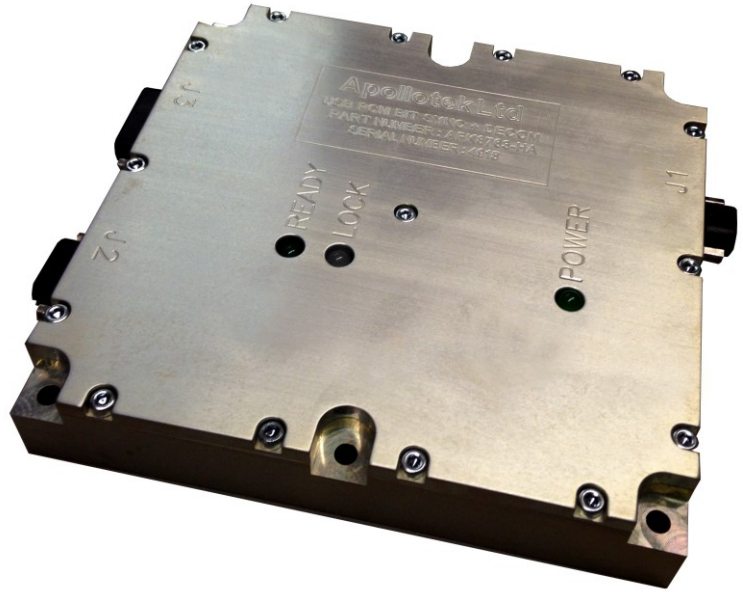


Features:

- Ruggedised Airborne PCM Decommutator
- Microminiature D-Type connectors for all power, inputs and outputs
- Accepts NRZ-L Data and Clock inputs over a Bit Rate range from 100 BPS to greater than 20 MBPS
- User programmable PCM Frame Format. Supports IRIG 106 Frame Formats
- IRIG B Time Code Reader time stamps each PCM Frame to microsecond resolution
- Wide operating temperature range
- Aircraft flight proven Rugged Construction
- Powered from Aircraft +28 VDC or USB +5V DC with automatic sensing
- Set Up through a USB Port connection to a Windows PC
- Lock and Status Indicators
- PCM Code and Frame Format stored in non-volatile memory
- Supports SFID, FAC & FCC
- Supplied with single stream GDSmate software providing:
 - Raw Data Archiving to Disk
 - Graphical and Tabular Data Displays
 - Engineering Unit Conversions
 - Post Processing File Outputs



The Apollotek APK8761-HA PCM Decommutator is part of the Apollotek range of USB signal recovery and decommutation products which are designed for Test and Evaluation and Flight Test Instrumentation applications. The Unit is assembled into an aerospace grade aluminium housing machined from solid and designed to be installed in an aircraft, including helicopters.

The APK8761-HA accepts an NRZ-L Data and Clock PCM data stream and provides PCM Decommutation with data transfer to a host Windows PC through a high speed serial USB port. The APK8761-HA unit can also be powered through the host PC USB Port.

The dimensions of the APK8761-HA excluding connectors are:

Length: 110 mm

Width: 112 mm

Height: 22 mm

Other products in this series include the APK8763-HA combined Bit Synchroniser and Decommutator and the APK8767-HA which incorporates a PCM/FM and SOQPSK L-Band, S-Band or C-Band Telemetry Receiver together with the Bit Synchroniser and Decommutator in a single unit.

Decommulator Software

- the Apollotek GDSmate Software supplied with the unit is a single stream PCM Decommulation version of the product which includes graphical and tabular data displays, data archiving and file export facilities
- The User Parameter Database is developed interactively through a Parameter Edit form. Each Parameter can be allocated a unique Mnemonic and Description.
- The User can apply up to 5th order linearising and calibration coefficients to each decommutated parameter. A Maths Processor editor provides additional processing functions.
- A PCM Frame Format form is used to set up the Decommulator Frame synchronisation strategy.
- The selected default time stamp source can be IRIG or Computer PC Time derived.
- Secondary Forms are presented for definition of variable word length formats.
- An Interactive colour keyed graphical presentation of the Frame Map for PCM or Message Map for Serial Bus data streams is provided. The user can point and click on a parameter in the frame map and get immediate access to the Parameter Editor.
- The standard Single Stream Decommulator Software licence can be upgraded to the full version of GDSmate to provide multiple user operation and simultaneous processing of multiple data streams on a single computer or as part of a networked Server / Client installation.

