



T-BOX Remote Processing Unit

Specifications

The SmarTek Systems, Inc. T-BOX Remote Processing Unit (RPU) is a fully programmable and capable cabinet processor for use in harsh environments like roadside cabinets. The T-BOX RPU requires modest power and has a small foot print. The T-BOX RPU uses a standard PC-104 expansion bus to provide almost unlimited peripheral interface capability and flexibility including optional Multi-Channel Color Video Image Capture and Compression. The T-BOX is completely programmable with impressive amounts of RAM, Non-Volatile Flash Memory, and Processor Speed to make it quite flexible for:

- Distributed Processing for Local Incident Detection and Message Sign Control,
- Specialized Interface and Data Collection/Archiving Requirements,
- Standard or Specialized Communication Protocols,
- Easy Integration with Multiple Sensor Types

Physical

Size.....5.5 in W x 9.25 in D x 2.5 in H
 Operating Temperature...-35 Deg C to 75 Deg C
 Enclosure.....Enamel Coated Steel and Aluminum for Shelf Mount

Memory and Processor

RAM.....4 M to 32 M Bytes
 Non-Volatile Flash8 M Bytes to 144 M Bytes
 I-386 to Pentium Level Processing

Signal Interfaces

4 RS-232 Ports (Two Full, Two Rx/Tx)
 Fully Programmable RS-232 Baud Rate from 2400 to 115.2 KBPS
 Bi-Directional Parallel Port

Front Panel Display

Multiple membrane switches and a 20-character LCD Display for full parameter setup

Power

Required Power4-7 Watts (Processor dependent)
 Input Voltage8-24 VDC
 Internal Software Enabled Watchdog Timer/Reset

Clock

Battery-Backed Real Time Clock

Expansion

Bus.....PC-104
 Optional Multi-Channel Color Video Image Capture
 (1 to 6 Channels On-Board)
 Variety of PC-104 interfaces via 3rd Party cards





SmarTek Systems, Inc.
Sensing and Systems Integration Solutions

Notes:

Please ask about our other products and solutions:

SAS-1 Traffic Sensors
Type 170/2070 and NEMA Interfaces
Integrated Roadside Cabinets
STS US12K Universal Serial Interface
Cabinet WatchDog
Wireless IP Connections
Wireless Point-to-Point Connections
CDPD Solutions
ExtremeCCTV video cameras

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