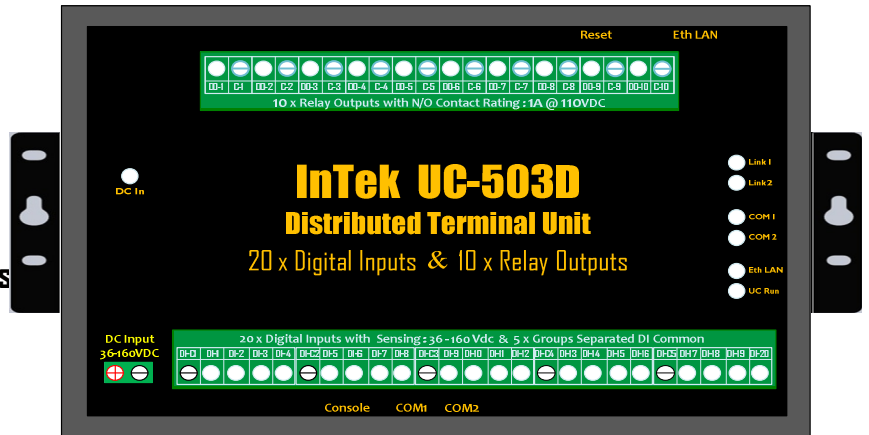


InTek UC-503D

Distributed Terminal Unit

- . Substation Universal Concentrator
- . [20 DI @ 5 Groups & 10 DO/RO]
- . 1 x Ethernet 10/100Mbps & 2 x Serial
- . Wide Input Supply : 36-160 VDC
- . Wide Digital Input Sensing : 36-160 VDC
- . 2 x LED Status for Protocol & Device Links
- . IEC 60870-5-101/104 Slave
- . DNP 3.0 Serial/TCP Slave



Processor, Memory, and Storage

ATMEL 400MHz AT91SAM9G20 w/MMU
 64MB SDRAM & 128MB NAND Flash
 2MB DataFlash for system recovery
 SD (secure digital) memory slot
 (compatible with SD memory card spec 1.0)

Real Time Clock

Chip: ST M41T81
 Backup Battery: Lithium, 48mAh

Communication Interface

1 x Ethernet, 10/100Mbps
 1 x RS232 w/ TXD, RXD, RTS, CTS, GND
 1 x RS232 / RS485 (selectable)
 RS232 Baud Rate: up to 921.6Kbps
 Debug Port: RS-232(Tx/Rx) serial Console

Relay Outputs : 10 x N/O Contact
 Rating : 1A @ 110VDC
 Programmable Pulse output

Digital Inputs : 20 ch w/ Sensing = Power Supply
 Opto-Coupler Isolation
 5 x Groups Separated Common
 SOE Accuracy : 1 msc.
 Debounce Filtering

Operating System

OS: Linux, Kernel 2.6.29
 Boot Loader: U-Boot 1.3.4
 File Systems: UBI, JFFS2, ETX2/ETX3,
 VFAT/FAT, NFS

Utilities : ssh (secured shell) with sftp
 syslog/klogd (system and kernel log)
 telnet server
 ftp server (vsftpd)

Supported Protocols

IEC 60870-5-101 Slave
 IEC 60870-5-104 Slave
 DNP 3.0 Serial Slave
 DNP 3.0 TCP Slave

Power Input : 36-160 VDC
 maximum 6 Watt consumption
 [optional 9-36VDC Power Input is available]