

InTek UC-504G

SCADA Concentrator/Router/Gateway with embedded 4G/LTE

- . Universal Concentrator with 4G/LTE
- . IEC 60870-5-104 and DNP 3.0 TCP over 4G/LTE
- . GPS for TimeSync and Position
- . 4 x LED Bars for GSM Signal Strength
- . 4 x LED Status for Protocol & Device Links
- . 3 x LED Status for Serial Comm
- . Logger to USB Flash and/or SD Memory
- . Power Supply: Type #A [7-28 VDC]
Type #B [18-72 VDC]
Type #C [36-160 VDC]



4G / LTE



3G

(4-bands)



GPRS/EDGE

(Class 12)



2G

(Quad-Band)

GPS



TCP/IP



Comm / GSM

LTE FDD : B1/B2/B3/B5/B7/B8/B20

DC-HSPA+/HSPA+/HSPA/UMTS:

850/900/1900/2100MHz

GSM/GPRS/EDGE:

1900/1800/900/850 MHz

AT Commands : 3GPP TS 27.007 and 27.005

Huawei extended AT command

GPS Features

A/GPS support: standalone, XTRA®, CP E911

Protocol: NMEA-0183 V2.3

Comm Certification :

CE, FCC, GCF, RoHS Compliant

Communication Interface

1 x Ethernet, 10/100Mbps (RJ-45)

2 x RS232 (RJ-45)

1 x RS485 (screw terminal)

2 x USB 2.0 Hosts w/ full speed of 12Mbps

*Available for additional Custom Development
Protocols and other required Features
based-on Project/End-User Requirement*

Processor, Memory, and Storage

CPU: ARM9 @400Mhz on Atmel AT91SAM9G25

256 MByte DDR2 RAM

256 MByte Flash

Real Time Clock: ST M41T81 [±2 ppm @ 25°C]

Backup Battery: Lithium 48mAh

Operating Temperature : 0 to 70°C

Operating System

Linux kernel version: Linux 3.6.9

Boot Loader: U-Boot 1.3.4

File Systems: UBI, JFFS2, ETX2/ETX3,
VFAT/FAT, NFS

Utilities : Web server (lighttpd)

Open VPN, and others available

Supported Protocols

IEC 60870-5-104 Slave direct and Open VPN

IEC 60870-5-101/104 Master & Slave

DNP 3.0 Serial / TCP Master & Slave

Modbus RTU / TCP Master & Slave

EDF HNZ RTU Master & Slave

IEC 60870-5-103 Master

ABB SPAbus Master

Special (Dedicated/Separated) Firmware

IEC 61107 (FLAG) / 62056-21 / COSEM/DLMS

IEC 61850 Server and Client

Support Transparent "TCP-Serial" forwarding

(Direct TCP or with application control protocol)