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UBICOM



Take control of your network

Ubicom is a reliable 2-way remote communication system. When connected to an FTS Axiom DCP, Ubicom allows high frequency data to be pushed at chosen intervals by cellular to a gateway for retrieval. Using FTS AutoCaller/AutoCaller+, users can collect their data for analysis, export it to common formats for distribution and even perform advanced functions on the remote station itself.

- Reliable, all-in-one IP66 rated product
- Remote by design, typical power consumption 1/2 that of standard modems
- Compact and easy to install



Technical Specifications

| | | |
|---------------------|------------------------------------|---|
| MECHANICAL | Height | 189 mm (7.45") |
| | Diameter at widest point | 90 mm (3.55") |
| | Weight | 403 g (0.89 lbs) |
| | Case material | Lexan™ polycarbonate |
| | Cable length | 5 m (16.4'), 50' max |
| | Cable jacket | Polyurethane |
| | Mounting | Surface mount, or 1" NPT with supplied flange |
| | Connector interface | Waterproof, military-style bayonet connector |
| | Status LEDs | 4 coloured LEDs, visible from up to 9m (30ft), indicates operational conditions |
| | Mechanical vibration rating | MIL-STD-167-1 Type 1 |
| POWER ENVIRONMENTAL | Operating | -30°C to +60°C (-22°F to 140°F) 0% to 100% RH |
| | Storage | -40°C to +85°C (-40°F to 185°F) 0% to 100% RH |
| | Dust and water ingress | IP66 |
| | Input voltage | 9 - 16VDC |
| DATA I/O | Message size | 6-250 bytes typically, no maximum |
| | Serial protocols | AT commands, PPP, SLIP, UDP/IP, TCP/IP |
| | Serial interface | RS-232 |
| | RS-232 data rate | 1,200 bps to 115.2 kbps |
| GPS | Acquisition time | Hot 1 sec; cold < 35 sec |
| | Accuracy | 2.5 m (Horizontal CEP) |
| | Sensitivity | Acquisition: -147 dBm Tracking: -159 dBm |
| MISCELLANEOUS | EMC Certification | FCC, CE |
| | No. of antennas | 1 |

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| GENERAL | Technology | HSPA penta-band |
| | Bands | GSM quad-band: 850/900/1800/1900 MHz UMTS/HSPA penta-band: 850/900/1700/2100 MHz |
| RF PARAMETERS | CDMA dual-band | 800/1900MHz |
| | Transmit power | Class 4 (2W, 33dBm) @ GSM 850/900 Class 1 (1W, 30dBm) @ GSM 1800/1900 Class 3 (0.25W, 24 dBm) @ UMTS Class E2 (0.5W, 27 dBm) @ EDGE 850/900 Class E2 (0.4W, 26 dBm) @ EDGE |
| | Input/output impedance | 50 ohms |
| | GPRS FCC ID | RI7HE910 |
| POWER CONSUMPTION | CDMA FCC ID | RI7DE910-DUAL |
| | Avg. current consumption - send | 250 mA |
| | Avg. current consumption - receive | 20 mA |
| | Sleep mode (cannot send/receive) | < 5 mA |
| ANTENNA | Radiation pattern | Linear vertical |
| | Efficiency | > 50% across all bands |
| | Return loss | > 8 dB across all bands |
| OTHER | SIM interface | Standard 3V SIM receptacle |
| | Throughput | HSPA: 21 Mbps download, 5.7 Mbps upload |



CANADA 1065 Henry Eng Place | Victoria, BC | V9B 6B2
 USA 1124 Fir Avenue, Suite C | Blaine, WA | 98230
 ftsinc.com | 1.800.548.4264



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EXTREME ENVIRONMENTS
 EXTREMELY RELIABLE