

RFI
TECHNOLOGY SOLUTIONS

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Universal Hub

Functional meets simple

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With a future-proof, expansion ready design, functional truly meets simple.

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Breaking the industry benchmark, the RFI Universal Hub is a unique and intelligent fusion of 4G capabilities with advanced functionality of a modem/router, all encased in a durable & robust Industrial housing.

RFI's superior technology has made the Universal Hub now even faster for more efficient control and command of remote industrial applications.

The Universal Hub features dual-SIM capabilities and wired WAN, providing advanced redundancy functionality. The LTE-Advanced connectivity with dual MIMO antennas means you can now have up to 2x faster internet connections compared to regular 4G connections, and up to ten times more than current average speeds on 3G networks.

With an array of connectivity options including RS232/RS485, 2 x Ethernet Ports and 2 x Digital IO's, connectivity is now even easier. And equipped with GNSS receiver, the Universal Hub is a rugged cellular modem/router suitable for a diverse range of industrial networking and M2M applications.



CCTV monitoring and security systems



Vending machine management



Traffic Signals & monitoring



Remote monitoring Power and substations



Monitor security systems and alarms



Access current and stored data logged from sensors



Plant & field monitoring automation



ATMs and POS Systems



3G/4G communication devices

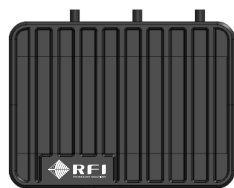
Universal Hub Key Features

LTE/HSPA+ Cellular Modem Router	In-Built RTC and Watchdog Timer
Supported Bands: FDD LTE: 1, 3, 5, 7, 8, 18, 19, 21, 28 TDD LTE: 38, 39, 40, 41 HSPA+/UMTS: 1, 5, 6, 8, 9, 19	Supports Network Protocols: TCP, UDP, DHCP, ICMP, NAT, Port Forwarding, DMZ, DDNS, HTTP, HTTPS, DNS, SNTP, TELNET, SSH, VRRP, SNMP v3, PPPoE, FTP*, SFTP*, IGMP v3.0*, Radius*
Data Rate: FDD LTE Cat 6, Max. 300Mbps DL / 50Mbps UL DC-HSPA+ Cat 24, Max. 42Mbps DL / 5.76Mbps UL	Supports VPN tunnels: IPSec/PPTP/L2TP, OpenVPN, GRE, Client and Server Mode
Dual Cellular Antennas support MIMO and Carrier Aggregation	2x Configurable 10/100/1000M Ethernet Ports (LAN+LAN or LAN+WAN Backup)
Dual SIM (1.8V/3V) Redundancy with Configurable Backup Policies, Data Limit, and Billing Period	Supports Industrial Protocols (Licensed): DNP3 Outstation, ModBus*, SDI-12*
Network Security includes Firewall, anti-DDOS, and URL/Keyword Filtering	Remote Syslog (secured or non-secured)
GNSS Functionality supports GPS and GLONASS	Two-way SMS Commands for Operations and Diagnostics
Device Location Tracking and Geo-fencing	Supports Email Client for Notifications / Alarms
Isolated Digital IOs: 2x Inputs, 2x Outputs	On-Board Voltage and Temperature Sensing
Web based Local / Remote User Interface	Firmware over the AIR (FOTA)
RS232 or RS422/485 via standard Female DB9 Connector	6 LED indicators: System, Data, SIM, RSSI, USER, RX/TX
Robust Industrial Case with DIN and Wall Mounting Options	9-48VDC Wide Input Power with Reverse Polarity Protection

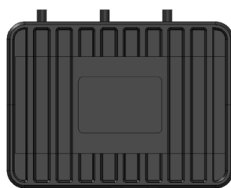
* Functions under development



Left View



Top View



Bottom View



Right View



Front View



Back View