

# Dual SIM 3G Smart Router

CENTRAL MANAGED  
SECURE M2M  
COMMUNICATIONS



*Lowering cost  
Increasing security*

## SECURE DUAL SIM ROUTER/MODEM

- The Dual SIM 3G Smart Modem is an immediate remote replacement for existing fixed line networks. Providing a resilient and fully managed secure network communication solution which can be used as a dual personality router or a node device connecting across different mobile carrier networks.
- The Smart Router has multiple interface connection options such as low power consumption, full centralised advanced configuration and security management; providing network analytics across all devices.

## ATM, BANKING, RETAIL STORES, KIOSK

Given our background in transactional banking we understand the need to provide sustained availability

over 3G networks, identifying a gap in the market thus developing the Smart modem was created. To ensure the integrity of the data the device is equipped with dual SIMs and on-board intelligence to manage and report on the ability of the service. In addition to the 3G connectivity we monitor:-

- Hardware and Network Availability
- Smart Router remote access via SMS
- Remote firmware and software upgrades
- Signal Strength and Quality
- Battery back-up and UPS monitoring

## Multi-functional Capabilities

The Smart Router is equipped with additional input and out ports including USB and serial ports that can connect to other devices such as CCTV cameras, door sensors, light switches and fuel gauges.

## Dual SIM Mobile Interfaces

Robust hardware with a standby battery and smart software that can; manage the dual SIMs and select the strongest network, alert on electronic GSM jamming and any tampering.

## Device Service Management

Through the cloud we can provide full device status and proactive managed services including data centre hosting, 24x7 support helpdesk, and Service Level Agreement reporting.



# 3G DUAL SIM M2M SMART ROUTER — REMOTE MANAGED

## SMART ROUTER HARDWARE

- Ethernet port
- Programmable relay outputs
- High speed USB host
- Comprehensive status indicators
- Emergency battery backup
- Robust enclosure

## MOBILE / CELLULAR CAPABILITIES

- Up to HSPA+ communication
  - ⇒ Upload: 5.76Mbps
  - ⇒ Download: 21 Mbps
- SMS status management
- Dual SIM
- Antenna diversity
- GSM jamming detection with Alarm output

## NETWORKING CAPABILITIES

- Internet gateway
- IPv4 routing
- Configurable APN
- Port forwarding
- L2TP/IPsec VPN with pre-shared keys (NAT traversal support)
- NAT layer (TCP, UDP and ICMP)
- DHCP Server
- DNS Proxy

## MANAGEMENT AND REPORTING

Accounts managed by the Absolute Cloud system:

- Account creation and management
- Router registration to an account
- Email notification upon device alerts
- Data usage reporting
- Router availability reporting

### Absolute Systems

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## DEVICE MANAGEMENT

A remote interface via data network and a local web interface (HTTP over Ethernet) is available. These provide the following management functions:

- Protected Access
- On Demand VPN Management
- SMS management
- Forced SIM switching
- Network configuration
- SIM card configuration
- SIM failover selection profiles
- User requested reboots
- Access to USB connected devices
- Device firmware updates

## DEVICE MONITORING

Device monitoring can be done over the remote interface or local interface. This includes the monitoring of the following:

- Data usage per SIM card
- Detailed traffic monitoring
- Network availability
- Connected devices
- VPN status
- Network and system logs
- Router uptime
- Power status (AC or Battery)
- USB devices
- SMS notifications when data link is down
- SMS queries to determine router status



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