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RESKUBE

DATA SHEET

Reskube Edge E110



**Unified Enterprise Resilience
For Critical Edge Deployments
and Small Offices**

The Reskube Edge E110 is a next-generation platform designed for mission-critical smart infrastructure deployments, giving you full remote visibility and control over your edge computing and networks. The Reskube platform also delivers both long-lasting and resilient power and resilient internet all within a single device.

The Reskube Edge E110 is built to excel in mission-critical environments where reliable power and connectivity are vital. Designed for scenarios such as remote infrastructure, disaster response, and community resilience, it ensures essential systems remain operational during extended outages. Whether supporting first responders in the field, maintaining critical services for healthcare and education, or ensuring uninterrupted IoT and business operations, the E110 provides a robust and scalable solution that is easy to deploy and manage, even in the most challenging environments.

Plug in. Connect. Stay Connected.

Connectivity

- Reskube includes a high-performance IOT 4G LTE Wi-Fi router designed as a Main/Backup internet source and guarantees a reliable internet connection with high data throughput and data redundancy.
- 150Mbps LTE capability. Data Failover transfer time of < 5 seconds
- Dual SIMs for multi-tier fallback.

Reskube RMS

- Hosted on AWS to provide full remote management of the router element within Reskube via the TLS Protected MQTT protocol.
- Secure Access into RMS is via OAUTH 2.0 / HTTPS
- Realtime Alerts and Single or Periodic reporting available.

Resilience

- Proprietary battery and device management software resulting in super-fast 2hr charging, fast failover and run times of hours not minutes.
- Lithium Iron Phosphate battery with 768Wh of storage.
- Full UPS functionality - <10ms failover.
- Automatic voltage regulation and surge protection up to 4000V.
- Direct solar charging for complete off-grid running.

SIM Management

- 4G LTE is unlocked – use your chosen enterprise carrier.
- Retail Unlimited Data SIMs available *
- M2M Data SIMs also available with high security APN.



Unique Reskuba – Designed for Enterprise

Reskuba has been designed specifically with the resilience of remote installations, including remote workers, in mind and to meet the demands of deploying and managing high numbers of corporate devices.

1. **Simple Deployment – One Button:**

Experience effortless implementation with Reskuba's streamlined deployment process. With just a single button press, Reskuba is ready to be integrated into your network, eliminating complexities for deployment to non-technical users.

2. **Standardized Device – Supporting Many Use Cases:**

Reskuba offers a unified solution that caters to multiple use cases, all within a single device. Its adaptability ensures compatibility across diverse scenarios and simplifies management and reporting.

3. **Remote Management – Enhanced Control and Visibility:**

Maximize operational efficiency through Reskuba's Remote Management System (RMS). Providing control and real-time visibility, it empowers your support teams to efficiently manage and monitor Reskuba units from a centralized platform.

4. **Fully Automatic – Simplified User Experience:**

Deliver a user-friendly experience with Reskuba's fully automatic functionality. Users, regardless of technical expertise, can rely on Reskuba's to keep them working whatever the situation, eliminating the need for complex configuration or input from non-technical users.

5. **Certification – Ensured Safety and Compliance:**

Reskuba holds certification for home use in the UK, Europe, the US and South Africa. Unlike many devices of its kind, Reskuba's certification minimizes risks for enterprises, ensuring that the product adheres to safety standards.

6. **Full UPS and Surge Protection – Uninterrupted Performance:**

Reskuba provides full Uninterruptible Power Supply (UPS) and surge protection functionality. With rapid failover in less than 10ms and surge protection of up to 4000V, Reskuba safeguards even the most sensitive IT equipment from disruptions and voltage fluctuations.

7. **Enterprise Quality – Seamless Integration in Any Environment:**

Reskuba's design blends seamlessly into both home and office environments, offering a high-quality aesthetic. Built with the highest quality components and proudly manufactured in the UK, Reskuba ensures lasting performance and reliability.



Optional Services

Extended Support

Online and telephone Remote Support, with automatic swap-out warranty. If your Reskuba develops technical faults, we will deliver you a replacement and pick up the faulty device at our cost.

Reskuba Enterprise Management Service

This service provides a Technical Account Manager (TAM) as your main point of contact. It also provides unlimited user access to the Remote Management System (RMS) to give you visibility, control and reporting of your Reskuba estate. The TAM will work with you to onboard your Reskubas by configuring and deploying the devices and train you in using the RMS. The expert Reskuba team deliver end-user support and ensure that any device issues are immediately and smoothly dealt with through the included Extended Support.

Reskuba PowerUp

Reskuba's PowerUp provides increased bandwidth and zero packet-loss resilience. By bonding landline and 4G lines into one it provides improved speed and complete reliability. It is designed for applications that demand highly stable internet such as VOIP and VPN.

Whether it is remote trading, a critical call centre or smooth video conferencing, Reskuba's PowerUp provides faster and higher performance, giving you and your team the confidence to deliver critical services remotely. With its simple deployment and remote management and support, it couldn't get any easier.

Hardware

Reskuba Home





SPECIFICATIONS

DIMENSIONS

| | | |
|--------------|-------------------------------|-------------------------------------|
| Size (TBC) | 9" (H) x 8.2" (W) x 15.7" (L) | (230mm (H) x 210mm (W) x 400mm (L)) |
| Weight (TBC) | 28.5lbs | (13kg) |

UNINTERRUPTIBLE POWER

Output

| | |
|-------------------------------------|-----------------------------|
| Power Rating | 500 Watts |
| Nominal Output Voltage | 110V |
| Output Frequency | 60 Hz |
| Waveform type | Pure Sine Wave |
| Output Connections (Battery Backup) | 2 x US Power Sockets (110V) |

Input

| | |
|---------------------------------|---------------------------|
| AC - Nominal Input Voltage | 110V |
| AC - Input Connections | IEC C14 |
| AC - Input Frequency | 60 Hz |
| DC - Solar Input (FM12315 Port) | VOC 45-100V 16A, 500W Max |

Battery & Runtime

| | |
|--------------------------------------|---|
| Battery Type | Lithium iron phosphate |
| 20 Hour Run Time - Homeworker | Example - 20W:- Laptop, Bluetooth speaker, 7W LED Lamp |
| 12 Hour Run Time - Homeworker | Example - 50W:- Laptop, 23" monitor, Bluetooth speaker, 7W LED Lamp |
| 4.5 Hour Run Time - Retail Server | Example - 150W: - Power PC and 2 x Screens |
| 2.75 Hour Run Time - Security System | Example - 250W: - 6x PoE Cameras and Server |
| Total battery capacity in Wh | 768 Wh |
| System efficiency (Expected) | 88% |
| Typical Recharge Time (Expected) | 2 - 3 Hours |

Battery Life Cycle

| | |
|-------------------------------|-------------|
| 100% DOD (Depth of Discharge) | 3000 cycles |
| 70% DOD (Depth of Discharge) | 4000 cycles |
| 60% DOD (Depth of Discharge) | 5000 cycles |

UNINTERRUPTIBLE INTERNET

WAN

| | |
|--------------|---|
| Interfaces | 1 x LTE Modem, 1 x Ethernet 10/100 Mbps or WiFi (connect to existing SSID WiFi network) |
| Redundancy | Primary: Ethernet, WiFi WAN or LTE Modem. Either can be selected as backup with Automatic Failover. Preferred primary interface is automatically restored when stable. |
| LTE Modem | 1 x 4G (LTE) - Cat 4 up to 150 Mbps, 3G - up to 42 Mbps, 2G - up to 236.8 Kbps 2 x SIM cards. 1 x Active SIM, other as backup. Auto switch cases: weak signal, data limit, no network, network denied + data connection failure. |
| SIM | |
| WAN Ethernet | 1 x WAN, 10/100 Mbps, compliance IEEE 802.3, IEEE 802.3u, Auto MDI/MDIX |
| WAN WiFi | IEEE 802.11b/g/n, Station (STA) |

LAN

| | |
|--------------|---|
| Interfaces | 1 x Ethernet 10/100 Mbps or WiFi |
| LAN Ethernet | 1 x LAN, 10/100 Mbps, compliance IEEE 802.3, IEEE 802.3u, Auto MDI/MDIX |
| LAN WiFi | IEEE 802.11b/g/n, Access point (AP) |
| WiFi user | Up to 100 simultaneous connections |

Security

| | |
|----------------------|---|
| Attack prevention | DDOS prevention (SYN flood, SSH attack and HTTP/HTTPS attack prevention), port scan prevention (SYN-FIN, SYN-RST, X-mas, NULL flags, FIN scan attacks). |
| WEB filter | Blacklist for blocking out unwanted websites, whitelist for specifying allowed sites. |
| Mobile quota control | Set up custom data limits for both SIM cards |
| Access control | Flexible access control of TCP, UDP, ICMP packets, MAC address filter |

Physical Interfaces

| | |
|----------|---|
| Ethernet | 2 x RJ45 ports, 10/100 Mbps (WAN + LAN) |
| Antennas | 2 x SMA for LTE, 2 x RP-SMA for WiFi antenna connectors |