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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 the solid platform for your mission critical edge deployments. Both long support time uninterruptible power (UPS) and resilient internet are delivered in the one smart device. It enables zero touch deployment and remote orchestration, complete with Out of Band Management (OOBM) for attached devices. This ensures a dependable foundation for power and internet infrastructure, especially in remote locations.

Unlike conventional UPS, the Edge E110 delivers up to 24 hours of runtime with a sub-10ms failover capability, ideal for sensitive IT equipment. The battery's 10-year lifespan and 768Wh Lithium Iron Phosphate battery ensure a lasting return on investment.

Additionally, with up to 150Mbps of fallback connectivity, Edge E110 ensures your essential edge devices from servers and switches to alarms, CCTV and IoT, remain operational for the full duration of an outage, not just the first 20 minutes.

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 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 Reskube – Designed for Enterprise

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

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

Reskube 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 Reskube's Remote Management System (RMS). Providing control and real-time visibility, it empowers your support teams to efficiently remotely manage and monitor your Reskubes and also attached devices via RDP, Telnet, SSH and HTTP/S.

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

Deliver a user-friendly experience with Reskube's fully automatic functionality. Users, regardless of technical expertise, can rely on Reskube'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:**

Reskube holds certification for home use in the UK, Europe, the US and South Africa. Unlike many devices of its kind, Reskube's certification minimizes risks for enterprises when deploying into sensitive environments such as health monitoring.

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

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

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

Reskube'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, Reskube 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 a 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)	230mm (H) x 210mm (W) x 400mm (L)
Weight (TBC)	13kg

UNINTERRUPTIBLE POWER

Output

Power Rating	500 Watts
Nominal Output Voltage	230V
Output Frequency	50 Hz
Waveform type	Pure Sine Wave
Output Connections (Battery Backup)	UK model: 2 x UK Power Sockets (230V) or EU model: 2 x Schuko Power Sockets (230V)

Input

AC - Nominal Input Voltage	230V
AC - Input Connections	IEC C14
AC - Input Frequency	50 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
SIM	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.
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