Tunstall



Product Sheet

Tunstall Lifeline Digital Core

Connected care, digital at its core.

What is it?

Tunstall **Lifeline Digital Core**, our latest-generation Lifeline Digital, combines modern, fully digital technology with enhanced connectivity, reception and performance. It is our safest and most secure Lifeline yet, designed to meet the latest security and radio standards, ready to support activity insights services, and manufactured using recyclable plastics.

Who is it for?

The **Lifeline Digital Core** provides reassurance for individuals with long-term care or health needs who wish to remain safely at home and connected to their communities. It is easy to use, discreet, and can be customised to meet the unique individual needs of each user.

How does it work?

Lifeline Digital Core connects users with monitoring centres and mobile responders whenever help is needed. It can be triggered manually with an alarm button or automatically by sensors detecting changes or unexpected behaviour. With resilient VoLTE and VoIP communication over cellular and broadband, it ensures reliability and redundancy.

Fully compliant with EN50134 social care alarm standards and EN18031 EU cybersecurity standards, it delivers safety with confidence.

Supporting over 30 different sensors through 128-bit AES-encrypted communication, it integrates seamlessly with Tunstall devices, the Device Management Platform (DMP), and the Tunstall+ app.

Technical Spec & Environment

Weight	460g (without attachments)
Dimensions	180 x 58 x 98 mm (L x W x H)
Mains Power	230v AC (1.5 Watts, typical)
Backup Battery	Rechargeable Lithium-ion battery, 6.6Wh, 900mAh capacity (internally charged, BMS operated)
Battery Lifetime	Over 72h with standard settings
Radio Frequencies	869.2125 MHz + 868.3000 MHz
Cellular	4G (UMTS/LTE and VoLTE)
Physical Interface	12V Power Inlet, Ethernet Port
Range	Wi-Fi, BLE, SRD Radio
Radio Protocol(s)	Tunstall 2-Way Secure Radio – CRA and EN18031 compliant
Radio Encryption	AES 128-bits
Region	Europe and United Kingdom
Material Casing	PC/ABS made with 30% recycled plastic, and silicone.
Humidity	0 to 90% RH, non-condensing
Operating / Storage Temperature	0°C to +40°C (Recommended)
Water Resistant	IP34 (Splash Proof)

Standards

Directive Compliance	RED, EMC, RoHS3, REACH
Safety	EN 62368-1:2024 + A11:2024
EMC	EN 301 489-1 V2.2.3:2019 EN 301 489-3 V2.2.1: 2019 EN 301 489-17 V3-3-1:2024 EN 301 489-52 V1.3.1:2024 EN 55032:2015 + A1:2020 EN 55035:2017 + A11:2020 EN 50130-4:2011 + A1:2014 EN 61000-6-3:2021
Social alarms	CLC/TS 50134-9: 2017
Radio	EN 18031-1:2024 EN 18031-2:2024 EN 300 328 V2.2.2:2019 EN 300 330 V2.1.1:2017 EN 301 908-1 V15.2.1:2023 EN 300 220-1 V3.1.1:2017 EN 300 220-2 V3.1.1:2017 EN 300 220-3-1 V2.1.1:2016
Design, manufacture, installation & service	ISO9001:2015
CE, UKCA, UKNI compliant	Yes

Part Number

022-27-923 – Lifeline Digital UK/NI/IR

Features & Benefits

- **Exceptional speech quality –** Custom speaker enclosure and advanced digital processing deliver clear, high-volume audio with echo cancellation.
- **Secure by design –** Fully compliant and certified to EN18031 and EU RED Article 3.3 (d), (e), (f) cybersecurity standards, mandatory from 1 August 2025.
- **Extended battery backup –** Provides up to 72h of power to maintain connectivity during outages.
- **Future-proof connectivity –** Built-in Ethernet, Wi-Fi, and 4G/VoLTE cellular ensures reliable multi-network support.
- **Sustainable design –** Manufactured using 30% recyclable plastics targeted for ESPR compliance recommendations.
- **Flexible placement –** Operates anywhere with power and network coverage, no landline required.
- **Highly customisable –** Supports up to 40 sensors and accessories for personalised care.
- **Digital focus –** Up to 40% greater coverage, designed to stay connected beyond the 2G/3G shutdown and built for the future.
- **VoLTE and VoIP –** Supports 4G voice and voice over IP.
- **Antenna –** PCB Antenna with improved coverage.
- **Time scheduled control** (TSC) **–** Schedule feature activity, including speech messages.
- **Activity insights –** Optimised for the next generation of activity services.
- **Easy setup –** Tunstall+ App provides step-by-step guidance for installation and configuration.

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