

Specification Document

Proposed Public Telephone Kiosk



Proposed Public Telephone Kiosk

Front View and Rear View



Proposed Public Telephone Kiosk

Rendered Views



Proposed Public Telephone Kiosk

Existing Telephone Kiosk versus Proposed Telephone Kiosk: Rendered Views



Existing Telephone Kiosk



Proposed Telephone Kiosk

Proposed Public Telephone Kiosk

Existing Telephone Kiosk versus Proposed Telephone Kiosk: Rendered Views



Existing Telephone Kiosk



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Existing Telephone Kiosk versus Proposed Telephone Kiosk: Rendered Views



Existing Telephone Kiosk



Proposed Telephone Kiosk

Proposed Public Telephone Kiosk

Overview

In designing the Proposed Public Telephone Kiosk, the intention was to create an instantly recognisable yet modern telephone kiosk. To this end, the Applicant pursued a traditional approach in the design process, drawing appropriate influence from UK kiosk design heritage.

The proposed new Kiosk is also purposefully open in design to enable unfettered access for all users, including the accessibility impaired, and to help eradicate anti-social behaviour sometimes associated with kiosks.

The proposed new Kiosk is manufactured in the UK from robust, high quality materials. In terms of its functionality, appropriate to today's technological conditions, it would deliver the following multi-functional communications capability:

- New public telephone equipment with the ability to accept credit/debit card, contactless and/or cash payment;
- A 24" Interactive Wayfinding and Mapping Liquid Crystal Display (LCD) panel
- Equipment for provision of public Wi-Fi access points and/or equipment for provision of public small-cell access nodes;
- Location-based information technology (NFC, Bluetooth 4.0 LE); and
- On the reverse side, an integrated Digital Advertising Display recessed behind toughened laminated safety glass.

Features

Public Telephone

- New public telephone equipment with the ability to accept credit/debit card, contactless and/or cash payment;
- Vandal resistant alphanumeric keypad;
- Armoured cord handset with internal steel lanyard and inductive coupling for users wearing hearing aids;
- Hook-switch cradle, tongue and bracket assembly;

- Telephone controls at an accessible height for disabled users (max. height 1060mm);
- Remote diagnostics and monitoring capability.

Public information

- 24” Interactive Wayfinding and Mapping Liquid Crystal Display (LCD) panel;
- Additional software applications can be added to augment the public information / service capability.

Public connectivity

- Equipment for provision of public Wi-Fi access points and/or equipment for provision of public small-cell access nodes;
- Location-based information technology (NFC, Bluetooth 4.0 (Low Energy) Beacons).

Integrated Digital Advertising Display

- On the reverse side, an integrated Digital Advertising Display recessed behind toughened laminated safety glass;
- Display is an Outdoor Liquid Crystal Display (LCD) display;
- Comprehensive remote diagnostics monitoring system (RDM) to reduce local intervention time;
- Secure remote Content Management System (CMS);
- Automated luminance control system - adapts display luminance to ambient light levels;
- 50% less power consumption compared with previous comparable LCD displays.

Accessibility and inclusivity

- Kiosk is designed to meet applicable / relevant standards within the Equality Act and in relevant British Standards guidelines;
- Easily accessible for users with mobility impairments;
- Canopy provides shelter from the elements for users;
- Internal courtesy lighting provided.

Safety and security

- 24” Interactive Wayfinding and Mapping LCD panel constructed with 6mm safety glass;
- Integrated Digital Advertising Display – recessed behind 10mm toughened laminated safety glass, in accordance with BS EN 12600 & BS EN 356 Class P3A;
- Fully secured telecommunications system.

Technical specification

Dimensions

- Public Telephone Kiosk dimensions – H 2499mm x W 1096mm x D 762 mm;
- 24” Interactive Wayfinding and Mapping LCD panel – c. H 530mm x W 300mm;
- Integrated Digital Advertising Display - H 1635mm x W 924mm.

Structure and materials

Kiosk enclosure:

- Structure - Stainless steel;
- Cladding - Powder coated steel (Black colour);
- Side panel - safety glass and composite material;
- Canopy roof - polycarbonate or other composite material;
- Ingress Protection - IP55.

Glass:

- 24” Interactive LCD Wayfinding and Mapping panel - 6mm safety glass;
- Integrated Digital Advertising Display – recessed behind 10mm toughened laminated safety glass.

Colour

- Powder coated, satin or matt finish;
- Colour RAL9005 (Black).

Integrated Digital Advertising Display

- Technology – Liquid Crystal Display (LCD) Direct sunlight readable;
- Display Active Area - H 1635mm x W 924mm;
- Maximum luminance (full white) at Night - 300 cd/m²;
- Maximum luminance (full white) during Day - 3500 cd/m² (max). Only applicable in very bright ambient light conditions, if and when detected by the sensor control system.

Installation

- Adjustable bottom plinth to work with sloping / uneven pavements;
- Ducting for power, signal and earth protection.

Maintenance and servicing

- Kiosk design enables easy access to equipment;
- Digital advertising display accessed via top-hinge assembly.

Telecommunications

- 4G connectivity with roaming across multiple mobile networks;
- 5G will be added when available;
- Fibre-optic.

Electrical

- Power supply – 220 to 240VAC, 50Hz single phase mains;
- Battery backup for clean shutdown on power loss.

Compliance to Regulations, Standards and Certifications

- Safety – CE, IEC/EN 60950-1;
- EMC - IEC/EN 55022 Class A, IEC/EN 55024, IEC/EN 61000-3-2, IEC/EN 61000-3-3;
- Environment - RoHS and WEEE compliant;
- Equality Act 2010;
- BS8300-1:2018 and BS-2:2018.