



IMAGINE: OpenBus™

Accessories and Features



What is OpenBus?

It is the LINAK technical platform in the control system that uses digital communication instead of analogue signals.

This means:

- Increased safety
- No hardware changes for new options

Instead there is a microchip in each accessory that communicates with a microchip in the control box.

This makes it possible to attach several external devices to the LINAK control box which is prepared to "*speak the same language*" as other external devices. This means plug & play functionality.



Allows a large variety of add-on features

Added flexibility in using accessories

Many ways to customise

OpenBus™ Control Box Platforms



CB6 OBL, OBM or OBF
4 channels
1 OpenBus Port



CB16 OBL or OBF
5 channels
2 OpenBus Ports



CB20 OBF
6 channels
2 OpenBus Ports

OBL = OpenBus Light
OBM = OpenBus Medium
OBF = OpenBus Full

First failure safe



Gateway

The Gateway is a relay system that allows the bed to communicate with the existing nurse call system within the facility allowing multiple accessories to be interfaced.

The Gateway is integrated in a junction box that is used in combination with the Out of Bed detection (page 7), as well as other accessories where status and alarm are desired.

Look for the green Gateway icon below the accessory icon to denote compatibility.



MJB with Gateway



Third party product



SCO



QLCI

Scale System

The Scale system allows a patient (up to 255 kg/562 lbs) to be weighed on the application.

The system includes an Attendant Control with digital readout. Weight can be displayed in either kilograms or pounds.

The auto compensation mode allows staff to add or remove the weight of other items on the bed. The accuracy is adjustable within 100 or 500 grams.

The Scale system is additionally equipped with Out of Bed detection. Using the Gateway, the system can notify the staff and also activate an alarm with volume adjustment.

To incorporate this system into your application, you need the Attendant Control with Scale (SCO) and calculation device (QLCI) from LINAK, plus load cells from a third party supplier.



Service Call
HB80

Service Call

Service Call makes it easy for patients to contact the caregiver by pressing a button on the handset that specifies a need. By pressing the appropriate button the caregiver will know who should respond and how.

There are no limitations on where the button can be placed (handset, panel, etc...). Several buttons can be used and with customised front covers the manufacturer determines the icons used.

A Gateway is required to transmit data from the bed to the nurse call system in the facility.

The HB80 handset has the option to be backlit (blue or green) when used with the OpenBus™ system. This makes the handset easier to find and use when there is minimal light in the room.



Third party product

Out of Bed

Out of Bed detection is a sensor that detects movement.

It alerts caregivers by sending a signal to the nursing station (Gateway required) or to the Attendant Control.

The detection system can be activated or deactivated by a button on the bedside rail or the hand control.

It is also possible to have an alarm at the bedside that can wake disoriented patients.



Sensor



Service Data Tool

The Service Data Tool with PC enables technicians to troubleshoot the application when faults occur.

The tool can be used to diagnose if there are any issues in the system for preventative maintenance and to locate any potential faults. It reads data from the control box and identifies information such as:

- number of cycles
- number of overloads
- active accessories



SDT



Service Indicator and Cleaning Indicator

Service Indicator is a simple but efficient system that gives automatic notice when the application should be cleaned. The timer-based unit can be set by end users.

Press the button and it counts down, indicating with a series of LEDs, how much time is left before the next cleaning.

Service Indicator works much the same way and tracks the time between service.

Both timers can be integrated in one box.



Under Bed Light

Under Bed Light enables the patient to turn on or off a soft light that is placed under the application.

The UBL enables caregivers to accomplish their job functions at night without disturbing sleeping patients.

LINAK has two versions available. One is a light that is built into a junction box. The other is an external option that is plugged into a junction box and can be mounted anywhere underneath the application.

The on/off switch can be integrated in the handset or the panel.



UBL
internal



UBL
external



USB Power Supply

USB Power Supply can be plugged into the junction box and allows the user to charge USB devices such as a MP3 player, a camera or a smart phone by means of the application.

1 Watt and 4 Watt versions are currently available.



USB



Third party product



Bedside/Reading Light

The Bedside Light is meant to be mounted directly onto the application to give extra light for the patient or caregiver within easy reach.

The light has a sleek design with a large, easy-to-grip handle to help the patient or caregiver with positioning. The light can be turned on/off by the handset or by switch on the light itself.

It is available through a third party supplier and is completely compatible with the LINAK® OpenBus™ system



FPP

Flexible Patient Panel

The Flexible Patient Panel has been specifically designed for ease of use. It is ideal for patients who have difficulty gripping a standard handset. The flexible mounting pole enhances accessibility and as a result of it being placed external to the mattress, it eliminates accidental damage to the handset.



Attendant Controls

The Attendant Control allows the nursing staff to retain direct control over critical positioning functions and lock these functions, if necessary.

Choose between models that mount to the application or that can be hand held. Also a variety of sizes, number of buttons and customisation options are available.





HB20 & IRO

Infrared Receiver OpenBus and Remote

The Infrared Receiver OpenBus and wireless remote make adjusting the bed easier for the caregiver. One caregiver can carry one remote that is capable of adjusting multiple applications.

Add-on advantages

- with OpenBus™ 3rd party products

The OpenBus technology allows our customers to add on features and functionalities that bring extra value for patients, nurses, service technicians, hospital porters, directors and others.

LINAK® has developed a number of features ourselves, but it is also possible to connect functionalities from 3rd party suppliers (non LINAK branded). This means addressing more needs in the market, utilising the flexibility in the OpenBus platform. Some 3rd party products are tested compatible with OpenBus.

LINAK only takes responsibility for LINAK products, not 3rd party products.



For further information, please visit our websites:

www.linak-openbus.com

Please scan the QR code for direct access to OpenBus accessories

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