

NEW BUS CONCEPT IN COPENHAGEN – PRESENTED BY MOVIA AND OPERATED BY ARRIVA



Arriva is the largest bus operator in Denmark with more than 900 buses and has been a customer to MultiQ for many years. Movia is the Public Transport Authority on Zealand, Denmark, which includes the Copenhagen area. Route 5C the most frequented bus route in Northern Europe, around 19 million passengers travel each year with this route. Movia has in corporation with Arriva decided to upgrade this route with many new solutions for seamless passenger information along with new buses from MAN.

MultiQ was chosen as the supplier of the Digital Communication to these buses. They are all installed with Infotainment, CCTV, passenger counter, voice announcement, sign management etc. from MultiQ. This means all these buses have both hardware, i.e. bus monitors, and software, the IBI system, from MultiQ - We deliver a complete ITS solution.

MultiQ has an extensive and long knowledge within ITS technology for the Public Transport business. We are seen more as a partner to our customers, as someone they know will understand their requirements and business. This is especially true within the bus market. Together with Movia and Arriva, MultiQ has now developed and expanded the IBI system with new solutions.

MULTIQ COMMUNICATION CONTROLLER

MultiQ Communication Controller is the central unit of the connected bus and backbone in every ITS (Intelligent Transportation System). It is the interface between the outside world and the bus itself.

The device provides bus route management and drive sensor handling, acceleration & brake monitoring. The device also communicates with the bus control system about eco-drive information such as fuel consumption. In addition, the device delivers internet access to passengers, destination signage, information to the infotainment system on the bus and much more.

The Communication controller works as the central unit from which you can expand the customer solution by adding a wide range of features: voice announcement, LED sign management, Wi-Fi, infotainment, CCTV, passenger counter, etc.

The device is designed and approved for operation in automotive installations and has a robust, maintenance-free design. It is also prepared for train installations. MultiQ Communication Controller can communicate via land line and all known mobile network standards. With Linux as the operating system, it is open to app development and is future-proof.



MULTIQ DRIVER CONTROL UNIT

The Driver Control Unit (DCU) functions as an interactive communication platform for the bus and its equipment. This unit is the driver's frontend and communications link to the IBI system. It allows the driver to perform sign management, manage voice announcements and access the communication system to the operations office.

The DCU collects data and continuously signals to the IBI system and from there the collected data can be distributed to other channels such as the infotainment displays, voice announcement system and back-office systems.

The DCU shows an overview of the journey in progress, matched with the timetable and with distance in time to the front and rear bus. This gives both the driver and the operation office a very good overview.

The unit can also be used for direct voice calls between the driver and the operation office.

The new unit has a modern, slim design and a low weight. It is easy to install and can with a few adjustments even be installed directly in the bus panel.



MULTIQ 48,45" BUS BARDISPLAY

MultiQ 48,45" Bardisplay is to be used as a digital stripmap, where you get an overview of the complete journey. It shows real-time updated information to the passengers and can be used as a complement to the Infotainment displays or by itself.

As an extra service for the passengers, the Bardisplay can, besides showing the complete journey, also be used for showing attractions and interesting places nearby the different stops on the journey.

It is equipped with security front glass and has been developed to deliver high quality with the lowest weight possible.

The Bardisplay is developed especially for buses and has all the needed bus approvals.



MULTIQ 2x19" LIGHT WEIGHT LCD BUS MONITOR

MultiQ 2x19" LW BUS LCD monitor is custom-designed for a range of bus brands, e.g. from Scania, Volvo and VDL. The monitor is to be used for Infotainment, i.e. both for real-time GPS-based timetables and route information as well as for entertainment such as online news, weather reports, sports, film clips etc.

This double monitor in one cabinet is an extremely light weight rugged bus monitor and is made of structural designed aluminum. The anti-reflective and anti-scratch polycarbonate front glass was developed specially for use in busses and trams.

The twin 19" LCD monitor was developed to deliver high quality at an attractive price and with the lowest weight possible and still maintaining a ruggedized design and solution.

