



Features

- Rugged hardware engineered and certified to MIL-STD 810G and IP65 standards
- High-quality 8" full-color display is easy to read and use in day and night conditions
- High-performance Intel CPU and GPU with Windows 10 enterprise operating system
- Flexible docking, expansion and interface options for system interfacing
- Broad wireless communications support including 4G/LTE cellular, Wi-Fi, and Bluetooth
- Built-in dedicated GPS
- Wired communications support including Ethernet and RS232 ports
- Fully battery backed solution

Cubic NextBus Driver Control Unit

A Driver Control Unit (DCU) is an intelligent management and communications device that interfaces with Cubic NextBus' world-class RTP1 predictions, passenger counters, NextStop signage, engine diagnostics, two-way operator messaging and operator covert alarms.

Facilitates Safer Command of Transit Vehicles by Drivers

Ensuring public safety is a vital concern of transit agencies, and improving driver efficiency contributes to protecting the community, passengers, drivers and vehicles. The Cubic Nextbus DCU provides a single point for the monitoring and management of on-vehicle systems, using easy-to-see displays with easy-to-use user interface – can use gloves on touch screen as well as with side buttons – to maximize driver attention on the safe operation of their vehicles.

Simplifies Transit Operations by Offering a Fully Integrated Solution

The Cubic NextBus DCU offers flexible support for transit and vehicle systems using a fully-integrated collection of Cubic software and hardware. This allows drivers to use one familiar screen to interact with diverse on-board systems including signage, vehicle locators, and driver communications. A unified point of control increases driver efficiency and can help to reduce training requirements.

Specifications

Partners

Tablet: HHG Algiz 8x

Software

Operating System: Windows® 10 Enterprise

Hardware

Navigation: Optional Dead Reckoning

Security: TPM v1.2

Display: 8" Capacitive touchscreen display with chemically strengthened glass. 600+ Nits, 1280x800

Indicators: Power, battery, and network status

Keypad: Power, Touchscreen mode, Menu, Home, F1, F2

Cameras: Rear facing: 8MP, Front facing: 2MP

CPU: Intel® Pentium® Processor N3710 (2M

Cache, up to 2.4GHz)

Memory: 4GB DDR3L RAM

Storage: 128GB SSD

Communications: WIFI 802.11 ac, a/b/g/n 2.4GHz and 5 GHz. Cellular 2G, 3G, 4G/LTE. BT v4.2 LE, GPS integrated u-blox® GPS/GLONASS (NEO-M8N)

Connections: DC in x 1

USB 3.0 x 2

Docking port x 1

Micro SDXC

Micro SIM

Optional RF antenna pass-through for GPS and WWAN

Power

AC: AC Adapter (65W, 100-240VAC, 50/60Hz)

Battery: Li-Ion battery (7.6V, 5200mAh)

Physical

Height: 8.86 inches (225mm)

Width: 5.79 inches (147mm)

Depth: 0.94 inches (24mm)

Environment

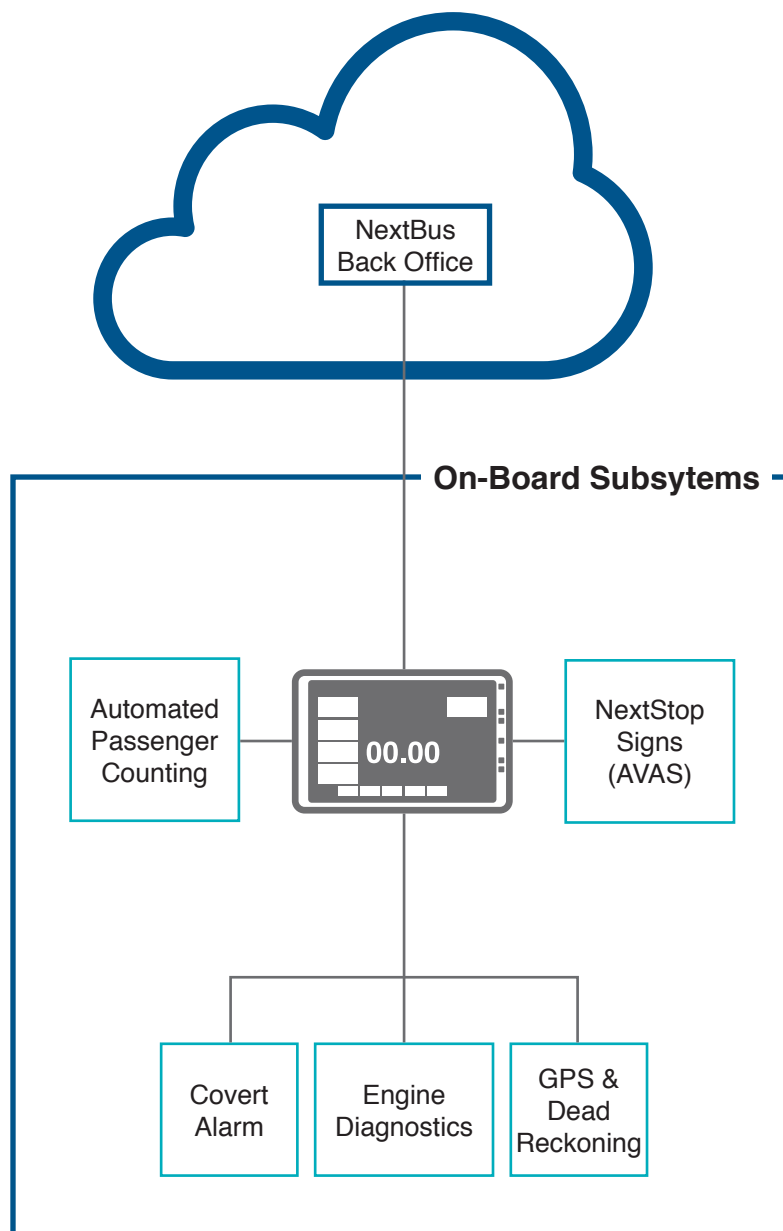
Operating: -4° F to 140° F / -20°C to 60°C)

Storage: -40°F to 158°F / -40°C to 70°C)

Humidity: 95% RH, non-condensing

Ruggedness: MIL-STD 810G and IP65 certified
Vibration, drop, temperature & humidity resistant

In the interests of product improvement Cubic reserves the right to change the above specifications without notice.



The Cubic NextBus DCU is the hub to integrate all NextBus subsystems