

# BUP01 Digital Unit for Emergency Audio/Video Communication with Locomotive Driver



## Features

- CPU: Freescale i.MX 6 Quad
- RAM: 2 GB
- Storage devices: CFast up to 64 GB; SDcard
- Interfaces: 1×USB 2.0; 1×GbEthernet; 1×CAN
- OS: Linux Ubuntu, preinstalled
- Operating temperature range: from  $-40^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$
- Shock/vibration resistance: 5g/5g
- IP41

## Overview

BUP 01 is designed for the use as a unit for emergency communication from railway passenger cars with driver's cabin. Data is exchanged via Ethernet and CAN networks. All conversations are registered in the local records.

BUP02 – rugged computer from Fastwel is fully configurable and can be customized according to the specific demands of your application.

The device is designed for use in transport under conditions of adverse mechanical and electromagnetic effects in the wide range of environmental temperatures (EN50155).

## Technical Specifications

### System

- CPU: Freescale i.MX 6 Quad
- RAM: 2 GB
- Storage devices: CFast up to 64 GB; SDcard

### Interfaces

- Interfaces: 1×USB 2.0; 1×GbEthernet; 1×CAN
- Video: 10 fps. 640×480, one-way communication (passenger car to driver's cabin)
- Audio: loudspeaker 4 w; two-way half-duplex communication

### Supported OS

- Preinstalled Linux Ubuntu

### Mechanical

- Operating temperature range: from  $-40^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$
- Storage temperature range: from  $-60^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$
- Vibration resistance: 5–150 Hz /5g
- Shock resistance: 5 g
- Dimensions: 75 × 130 × 195 mm
- Protection: IP41, front side

### Power

- Power supply: 45–150 V
- Consumed power: 25 W

## Ordering Information

## BUP01 Configuration

### BUP01 - 01

#### Versions

- | Version | Description  |
|---------|--|
| 01      | Digital Emergency Communication Unit; 1×USB, 1×CAN, 1×GbEthernet |

BUP01 – Digital Emergency Communication Unit from Fastwel is fully configurable and can be customized according to the specific demands of your application

### Delivery checklist

BUP01 delivery checklist contains:

1. BUP01 – Digital Emergency Communication Unit
2. Package

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Product specifications are subject to change without notice

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