

IntegraBus
AT962
Atlas 1
Geographic position-based tourist information system



Datasheet
Rev. 01

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1. Product Overview

Atlas 1 device is a geographic position-based media player and tourist information system. The played video can be displayed on integrated screen, and the sound can be heard on integrated speakers of the public transport vehicle.

The multimedia and POI content is stored inside the device and can be upgraded by the integrated CMS (content management system).

2. Electrical Specification

		Min.	Norm.	Max	
1.	Supply Voltage	10	24	48	V
2.	Operating Temperature	-20		+85	°C
3.	Operating Supply Current @24V		0.5	1	A
4.	Quiescent Supply Current @24V			0.1	mA
5.	Auxiliary 12V Power Output Voltage	11.5	12.0	12.5	V
6.	Auxiliary 12V Power Output Current			1	A
7.	Auxiliary 5V Power Output Voltage	4.7	5	5.3	V
8.	Auxiliary 5V Power Output Current			1	A

3. Features

CPU	Broadcom BCM2837B0, Cortex-A5,3 64 bit, 1.4GHz
RAM	1GB
Internal data storage	64GB
Startup time	45 sec
Video output	Composite Video, PAL
Audio output	BOSCH coach microphone compatible, with PTT (Push-To-Talk) feature

- Geographic position-based media player and tourist information system
- POI, map, and other special tourist information can be displayed on the integrated display of the coach.
- POI and multimedia content is stored on the internal 64GB storage,

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- Content can be played from connected external USB Drive. The format of USB drive is defined.
 - Integrated CMS (content management system) for the easy handling of multimedia files and route descriptions,
 - Wired remote controller for the quick access of different contents,
 - Multilingual, maximum 8 languages
 - GPS based localisation,
 - Special software solutions for the convenient and error-free implementation of passenger information

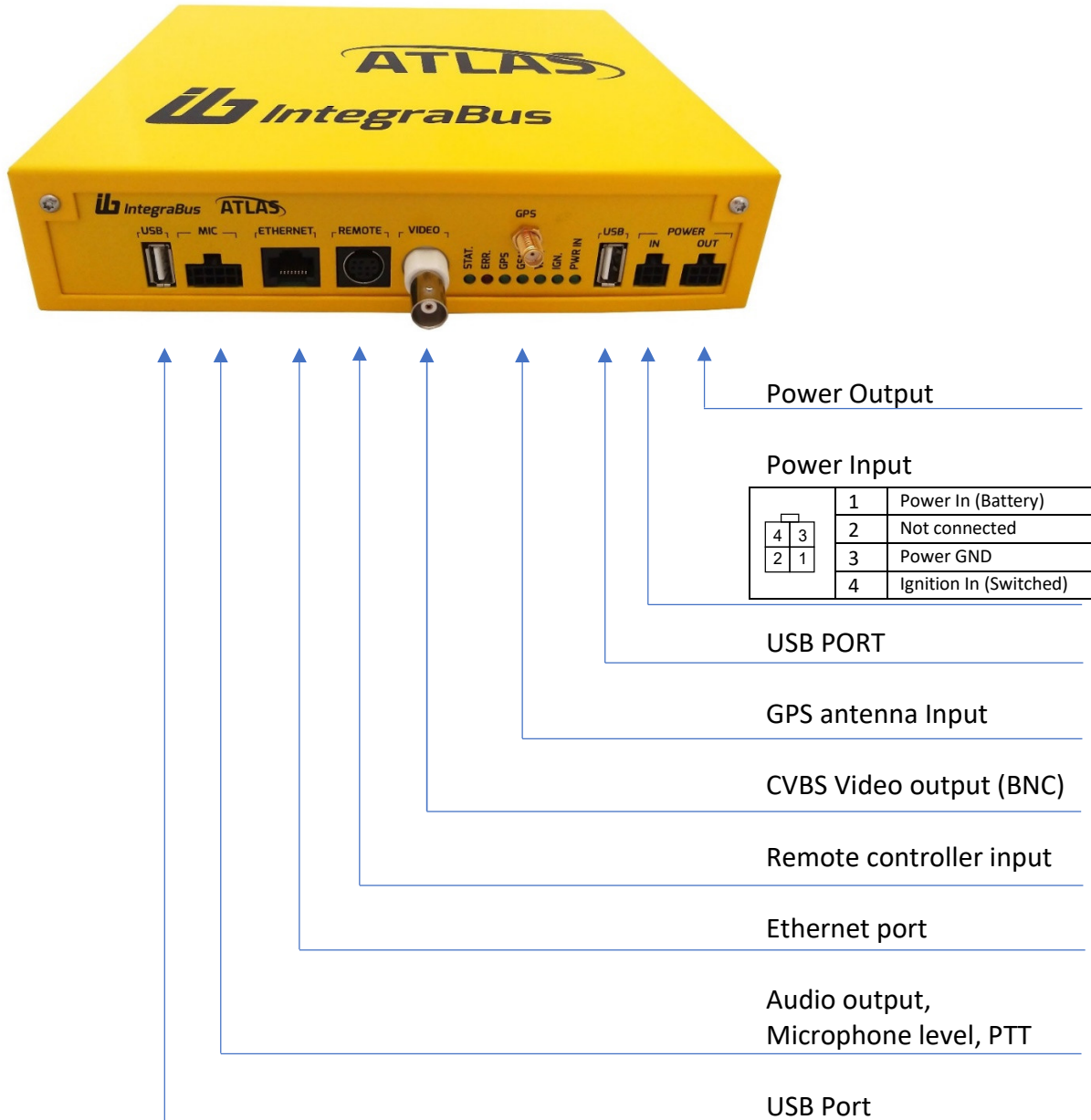
4. Certifications

ECE R118 certification
ECE R10

5. Mechanical Specification

- Metal housing dimensions: 220mm x 60mm x 150mm

6. Connectors and Pinouts



Connector types

GPS antenna	SMA female
Video output	BNC
Power Input	4 pol Micro-Fit3(TM)
Power Output	6 pol. Micro-Fit3(TM)
Microphone out	8 pol. Micro-Fit3(TM) – DIN 4 adapter attached,
Ethernet	RJ45 socket

7. Document History

rev	History	Date	Author
R01	First release	2023.10.03.	epapp