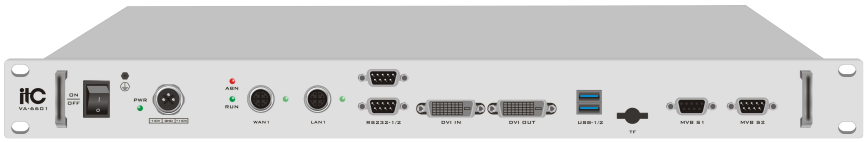
Broadcast Control Controller VA-6601

Rail transit vehicle media processing software V7.69



Description

The broadcast control controller is the main control device of the PIS system, integrating network isolation unit to realize the network isolation between AP and PIS system. The conversion unit MVB of the integrated train control and management system (TCMS) realizes the interconnection and communication between the train vehicle and PIDS system, and receives status information such as the driving direction of train, station, and destination.

Feature:

* Support 2 Gigabit M12 network ports, which are divided into LAN and WAN networks, support ring topology network, support dual network ports for internal and external network isolation, realizing the function of physical firewall;
* Built-in 128GB storage chip, using EMMC chip-level storage, good shock resistance, strong stability; provide SD card and USB for expansion, support TF card and USB to upload materials at the same time; provide USB function upgrade;
* Support the rapid editing and management of media materials (audio, video, picture, text), provide other subsystems for upload, download, push and database management, support material upload and management of broadcast, media screen, and line display screen;
* Provide uncompressed transmission, video transcoding and other functions of media resources, provide echo function of live broadcast, provide emergency backup video broadcast of live broadcast ;
* Support network emergency broadcast preset, broadcast and display emergency plan in real time through broadcast, media screen and other equipment. Realize the linkage of emergency broadcast and message notification of media screen;
* The built-in MVB unit supports DB9 interface with lock, realizing the interconnection and communication between PIS system and TCMS, and obtaining the train driving information and other data in real time;
* Support IP data communication on different network segments of internal and external networks, realize transparent transmission of external and internal data, support the customization of docking OCC protocol, adopt open interface, and provide API protocol;
* Support the automatic online of PIS full-series related sub-equipment, provide monitoring screen to query the sub-equipment status and operation log, and grasp the operation data of the full series of equipment in real time;
* Provide fast line management, support the pre-editing function of large and small lines, and support fast one-key switching of the current line, with functions such as terminal station, over-stop station, special station broadcast, etc.;
* Support real-time online communication between master and standby at the front and rear of the vehicle, and the switching efficiency of master and standby is less than 0.1 seconds;
* Adopt industrial grade processing chip, support -20℃~65℃;

Specification

Model	VA-6601
Network interface	M12
Transmission rate	1000/100Mbps adaptive
Operating language	Chinese/English/custom language
System structure	Embedded Linux system
Media format	MP4/MOV/MKV/FLV/AVI/JPG/PNG/BMP
Data storage	Built-in 128GB chip storage
Network interface	2 Gigabit network M12 ports
USB interface	Support 1 USB interface and 1 TF card slot
Software upgrade	Support network upgrade/U disk upgrade/windows software upgrade

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Live protocol	Support multicast protocols, TS, RTSP, RTP and RTMP real-time protocol streams
Network protocol	Support TCP, UDP, RTMP, RTSP, FTP, DHCP, HTTP protocols
Dimension	484*229.5*52.5mm
Electrical characteristics	110V 0.3A DC
Working temperature (℃)	-20℃-65℃