Product brief: DICORA S20

Audio-processing dispatcher terminal

DICORA S20 is a resilient dispatcher terminal with intelligent audio integration built specifically for mission-critical use cases. In conjunction with the FTS 3020 control room application, it addresses controller needs for bearer-independent voice and data communication, connecting local train stations – as well as large command and control centres – with train drivers, onboard service staff and maintenance staff on the tracks. Over 10,000 terminals of the DICORA family have been delivered to customers worldwide.

Key features

Optimised for real working practices

Created in close cooperation with railway experts, DICORA terminals optimise workflows for controllers. The compact design features ergonomic, touch-oriented navigation, with context-sensitive and direct input facilitating easy communication. Commercial and call-centre grade components guarantee robustness, reliability, and durability.

Future-proofed to protect your investment

The decoupled, modular design of the Frequentis AudioHub and the commercial off-the-shelf (COTS) Display module enable customers to build on the system, for example through client user virtualisation. In the future, as the user interface becomes fully browser-based, it will be able to run on any controller display device, with AudioHub as a powerful audio endpoint. DICORA S20 is compatible with FTS 3020 Release 4 onwards – including the next-generation Frequentis controller FRMCS application – the Operations Communication Manager (OCM).

AudioHub for demanding audio use case

In addition to handling different audio devices and dedicated pre-programmed audio profiles, the AudioHub can manage two calls in parallel. A high-end audio processor can manipulate input/output sound levels and eliminate echoes, allowing the AudioHub to be optimised for all sound environments.

DICORA application

- Suitable for single-seat controllers or large teams
- Role management serves multiple areas of responsibility
- Based on the established DICORA application, enabling easy upgrade from earlier versions.
- List view of trains and mobiles in the area of responsibility, including call and messaging functionality
- Predefined conferences with up to 30 members
- User configurable Direct Access keys and personal phone book
- Dynamic Voice Group Calls

AudioHub

- Up to two parallel audio streams
- Flexible audio device assembly
- Certified audio devices assessment
- Easy-to-use call handling via 5“ touch display
- Advanced audio processing & audio profiles
- Cable management & strain relief
- Integrated loudspeaker

Display Module

- COTS all-in-one touch PC with full HD display
- Cable-reduced design
- Secured interfaces
- Multi-functional stand
- Windows 10 IoT with locked down features

Benefits

Adaptable, secure configuration

With features such as user-configurable keys, flexible audio switching and advanced audio profile customisation, users can adapt the configuration so that it maximizes their own productivity. Locked-down functionality and central deployment help protect the system from security threats.

Technical specifications

Handset	Handset with PTT
Headsets	Wired Headset or wireless DECT Headset
Gooseneck microphone	HOLMCO Microphone with Accoustic Echo Cancelation (AEC) by BdSound for first grade communciation
Loudspeaker	4 Watt full-range loudspeaker (wooden cone) with Audio Compander (AC) for clear handsfree communication and excellent monitor calls
Direct access to any subscriber	288 (36 per page, 8 centrally configurable Direct access key pages) virtual Direct Access keys per role
Display	15,6“ or 21,5“ TFT LCD Full HD (1920*1080), PCAP Touch
Processor	Intel 7th generation Celeron 3965U
Power supply	Display module: 90W 10-240VAC AudioHub: 20W 10-240VAC
Dimensions	Display module: W343 x H240 x D232 mm AudioHub: W200 x H124 x D267 mm
Operating temp. / relative humidity	0°C to 40°C / 5% to 80%

FREQUENTIS AG
Innovationsstraße 1
1100 Vienna, Austria
Tel: +43-1-811 50-0
www.frequentis.com