

Product brief: DICORA Wireless

Standalone GSM-R controller terminal

DICORA Wireless is a touch-control and role management-capable dispatcher terminal for temporary or low-traffic train stations. It enables cost-effective, seamless implementation of basic GSM-R dispatcher functionality to new locations.

Key features

EIRENE functions

DICORA Wireless offers all EIRENE functions, including functional numbering - CLIP, Explicit Call Transfer (ECT), Voice Group Call and Broadcast Services (VGCS, VBS), call priority handling, Multi-Level Precedence and Pre-emption (MLPP), Railway Emergency Calls (REC), multiple role assignment, text messaging service (160 UCS2 encoded characters), driver safety device alarm and controller alerting.

FTS 3020-enhanced EIRENE functions

Text messaging to multiple recipients, text message templates and history (up to 20), functional number decoding, call wizard for functional numbers and priority-dependant ringtones.

Comfort telephony functions

Calling line and name presentation (CLIP, CNIP), Waiting/Hold queue (length: 1), call history (100/role), conference, global and personal phone books, direct access keys – pre-configured (per role: 8 x 36) and favourite direct access keys (individual: 36).

Smart configuration

The operator-centric, intuitive multi-language interface can be easily configured via the Frequentis Management Suite (FMS). This package is the so-called DICORA Wireless SmartConfig.



DICORA Wireless at a glance

- Designed to satisfy the needs of single-seat control centres, while enabling upward scalability to fully integrated solutions with the FTS 3020 system
- Easy to install and configure, DICORA Wireless enables role management tailored to user's needs
- The large 12.1" touchscreen provides a comfortable user experience and an at-a-glance overview of all safety-critical information
- Simple menus for faster, fail-safe call setup
- Robust feature set with EIRENE functions, as well as additional comfort telephony features beyond the means of a classic OPH or GPH

The diagram illustrates the integration of three key components into the DICORA Wireless SmartConfig system:

- DICORA Wireless**: Standalone configuration, represented by a blue box with a mobile phone icon.
- Frequentis Management Suite**: Comfortable remote configuration Tool, represented by a light blue box with a server and database icon.
- FTS 3020**: Full featured Fixed Terminal System, represented by an orange box with a terminal icon and a list of feature extensions: Full EIRENE, Additional Comfort Telephony Functions, and Bearer Independent Communication.

All these components are integrated into the **DICORA Wireless SmartConfig** system, shown as a grey bar at the bottom of the diagram.

Benefits

Cost-effective simplicity

Thanks to the simple site preparation for basic functionality, quick installation and setup, as well as seamless integration, DICORA Wireless is synonymous with fast rollout and ease of use. This, in turn, lowers the training and maintenance effort required, making DICORA Wireless a sound investment.

Easy configuration

Configuration of DICORA Wireless with a centrally managed solution – the DICORA Wireless SmartConfig (a combination of FMS and an IP network) - reduces operational expenditure.

Flexibility and evolution

DICORA Wireless is fit for future use within the FTS 3020 system environment, protecting the initial investment. Integrated into an FTS 3020 fixed-line environment, it represents the full SIP features of a standard DICORA dispatcher terminal. Flexible extension capabilities enable the rollout of dispatcher terminals independently of a finalised fixed-line infrastructure.

Technical specifications

Screen	VGA, LCD, tiltable 12.1" touchscreen
Keypad & keys	288 (36 per page, 8 centrally configurable DA key pages) virtual Direct Access keys/role, keypad in the graphical user interface
Handset	Standard / PTT optional
Headset interface	STANDARD
Gooseneck mic. w/ AEC	Standard / PTT optional
Ethernet interface	STANDARD
Power supply	110–240 V AC or 18-29 V DC, 30W
UPS	110-240 VAC (optional)
Dimensions (W x H x D)	Display opened: 476 x 249 x 299 mm Audio Module: 164 x 126 x 299 mm
Operating temp. / Relative humidity	5-40° C / 10-90% non-condensing