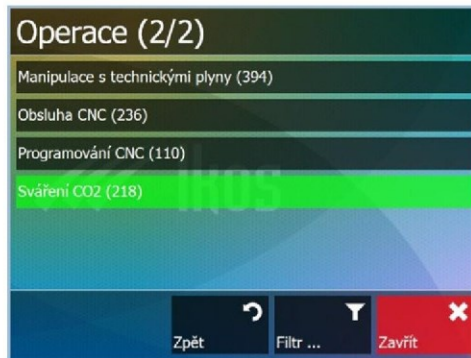
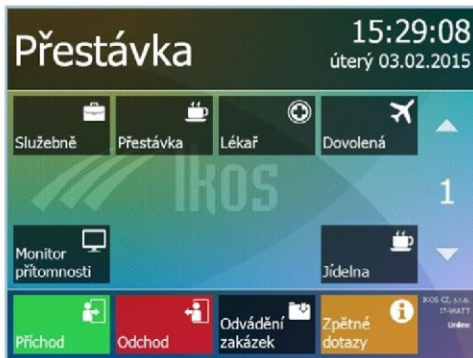




IT-WATT R2 is a user-friendly time and attendance terminal of a new generation. It is a high-performance unit to help businesses monitor and analyze their staff activities for particular projects.

Some of its main benefits are a high-contrast wide-viewing-angle colour touchscreen display, pleasant acoustic signals, user-assigned keys, and a wide range of optional accessories.

Another benefit is its open-system concept allowing future expansion and easy customization of terminal functionality. Besides basic attendance recording, IT-WATT can also be used to control access, report work done by projects, display data from information systems, and more.



Key Features

- Identification using RFID cards or fingerprints
- Online and offline modes of storing transactions
- Current date and time as well as selected transactions displayed
- Acoustic signals and visual indication
- Sending query from terminal to application software
- Up to 64 user-defined interrupts; any names, colours, and icons can be specified
- Customizable user interface (background images, sounds...)
- Scheduling for automatic selection of keys
- Programmable outputs (2 relays, 2 binary outputs) using templates, for attendance interrupt and known/unknown card

Access control system

- Supports up to 100 door terminals (30× RS485 or 100× ETH)
- Time templates addressing holidays

Automatic door opening on specified days and times

- Supports lift door opening

Records for projects – production reporting

- Selection from list, manual code entry, barcode support
- Up to four levels of project activities (order/contract, operation, centre, type of work)
- Verification of authorization for specific operations against ILU matrix

Optional accessories

- CCD camera to verify identity
- Fingerprint sensor
- Up to two simultaneously working RFID readers (or one reader + one fingerprint sensor)
- WiFi module
- RFID cards, RFID key ring tags
- Readers for entering RFID transponders into system (IT-75xx, IT-76xx)
- External barcode/magnetic card/chip and suchlike reader
- Satellite units IT-43xx, AC-01xx, IT-0500

System features

- Configuration of COM ports in identification, access control or dactyloscopy mode
- MASTER card to enter terminal configuration
- Network parameter settings
- Terminal touchscreen display calibration
- Acoustic volume control
- Detection of duplicate transactions with the same interrupt
- Configuration through web interface
- TCP/IP communication settings for connection with communication agent
- Terminal date and time setting
- Relay switching time and its action delay settings
- Two inputs to control output contacts
- Satellite definition (maximum 100) in access control or time and attendance mode; additional satellite control
- Terminal restart/shutdown
- Terminal configuration backup/restore
- Terminal firmware update
- Event viewer

Software features

- Up to 60 user-defined and 4 favourite keys and operating mode setting (time and attendance, project, web browser...)
- Background colour and icon with its position within page may be assigned to each key
- Key settings in web browser mode; URL setting
- Up to 20 time settings for automatic activation of selected key
- Terminal output contact closing for time and attendance keys and satellites
- Camera picture can be saved for selected keys on terminal identification
- Connection of up to 100 access control or time and attendance satellites; satellite relay contact closing time and delay settings
- Batch search for UDP satellites and subsequent editing of their IP parameters
- Holiday support; type of holiday setting
- Up to 100 periods in time and attendance system, detailed settings for each day within week and for holidays
- Definition of up to 250 access control templates; definition of records in template for access control satellites and terminal outputs; another device can be switched for each template record
- Exception settings for access control terminals – door permanently open at lunchtime, for example
- Production reporting; project work mode setting; entered value format checked;
- Up to 65 custom icons for easy key identification
- Theme customization; setting of desktop background image and selected keys; setting of sounds on pressing key and valid/invalid identification
- Setting of password for access to configuration via web interface
- Terminal restart/shutdown; terminal restart scheduling

Specifications

Dimensions	267×240×82mm (h×w×d)
Operating temperature	0 to +35°C
Power supply	voltage: 14–25VDC (maximum distance from source 20m) power demand: 35W maximum protection: 2A fuse
Display	touchscreen (resistance) LED backlight, diagonal 8.4 inches, resolution 800×600 pixels, color depth 32 bits
Operating system	Microsoft Windows XP Embedded SP2
Sound	mono 0.5W (adjustable volume)
Identification technology	custom configurable contactless: 125kHz – Unique, HID prox, Indala 13.56MHz – Mifare, HID iClass, Legic contact: capacitive fingerprint sensor (storage of about 9500 fingerprints) optional CCD camera for identity verification (320×240 pixels)
Inputs	1 external contact for direct relay control 2 optically isolated, programmable
Outputs	2 switching relays (contact/voltage – 24VDC, 19VAC / 1A) 2 transistor, normally closed (voltage – 5V/200mA) 1 voltage 5V/500mA (power supply for additional modules) 1 voltage 12V/500mA (power supply for additional modules)
Communication ports	2 10/100Mbps LAN ports (communication with PC and slave terminals) 1 RS-232 port (to connect readers – 9-pin D-Sub connector) 1 RS-232 port / galvanically isolated RS-485 port (communication with slave terminals, readers...) 1 USB port (2.0) 1 PS2 port (to connect keyboard and mouse)
Cable connection	screw terminal block and respective connectors (RJ-45, 9-pin D-Sub, USB)
Installation	in indoor spaces only, vertically on wall using installation openings in terminal (standard), semi recessed in panel using sheet metal brackets (optional)