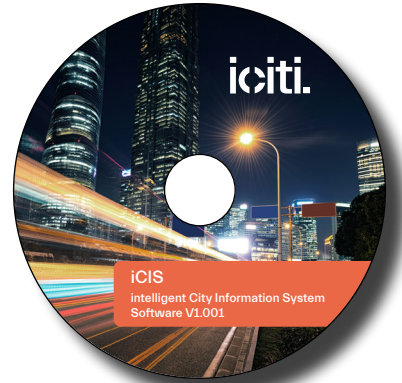


# icIS

## intelligent City Information System

For efficient control of urban and street lighting and Smart City applications

- ✓ Urban and street lighting monitoring
- ✓ Extendable to other Smart City applications (waste, parking, environmental management...)
- ✓ Software as a service or on-premise available
- ✓ User friendly interface

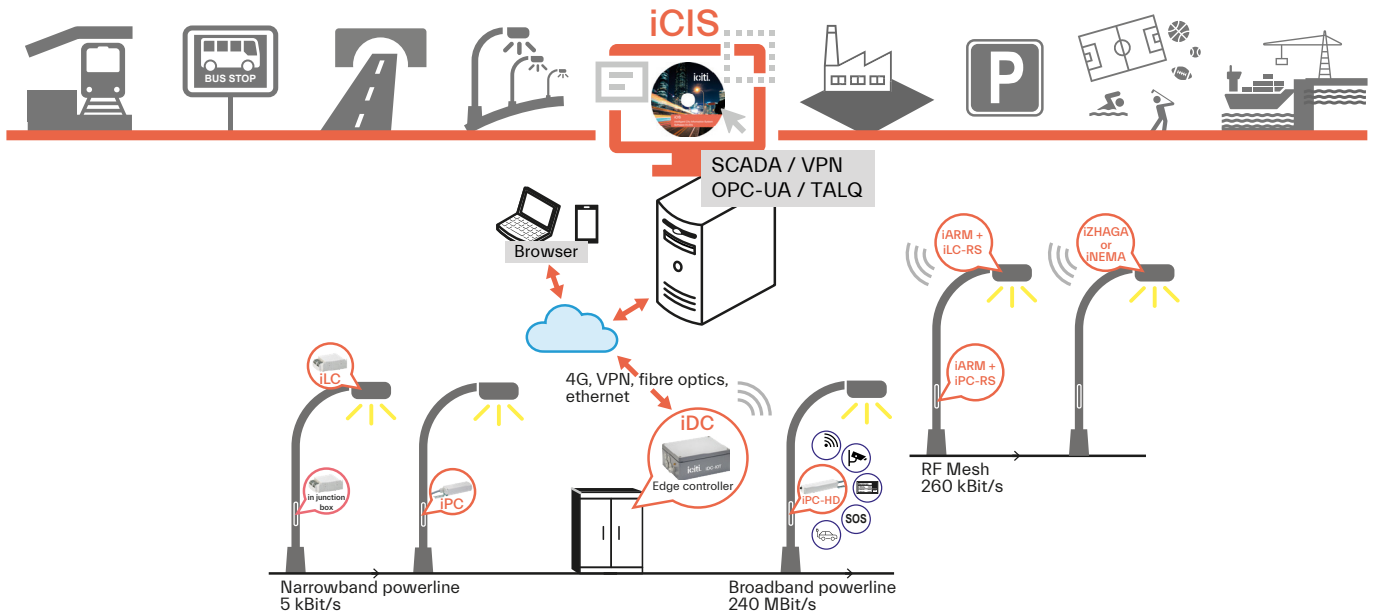


icIS software allows the control of street lighting systems and is extendable for other Smart City applications such as waste, parking, environmental management...

The software supports the interfaces of the edge controllers iDC based on i.LON SmartServer and the iDC-IOT based on SmartServer IoT.

icIS allows to switch and dim individual luminaires and pre-defined luminaire groups, but also define the most diverse timer settings, evaluate and display the lighting system status depending on various types of error message and evaluate energy consumption at individual luminaire and luminaire-group level.

Technical data such as current, voltage, power, power factor, power consumption, temperature, operating hours and status messages of the individual components as well as the entire lighting system can be conveniently queried and displayed in a tree-like structure as well as graphically by city, area and street.



### Software Features

- ✓ Standardised communication based on EN 14908-10 (in preparation)
- ✓ User administration with different user rights (multi-client capable)
- ✓ Backup and restore functions
- ✓ Security updates are carried out free of charge
- ✓ Export of data as CSV file
- ✓ An XML/SOAP interface for the iDC i.LON SmartServer and a standardised REST/API interface according to ANSI/CTA 709.10 for the iDC-IOT is available
- ✓ System log book integrated
- ✓ Languages: German / English / customer-specific language on request
- ✓ Web hosting and support available as a separate service

### System Requirements

- ✓ Server: state-of-the-art
- ✓ Memory: RAM: 8 GB / HD: 2 TB
- ✓ CPU: min. 4-Core (depending on the scope of the project)
- ✓ Operating system: Windows 10 or higher, virtual-machine operation is possible
- ✓ Data security: min. RAID 1 (recommended RAID 5)

### iCIS Licence Packages

Type	iCIS - 1-200	iCIS - 1-500	iCIS - 1-1000	iCIS - 1-2000	iCIS - 1-5000
Ref. No.	200016	200017	200018	200019	200020
Number of licences	up to 200	up to 500	up to 1,000	up to 2,000	up to 5,000
Minimum order quantity	100 licenses	201 licenses	501 licenses	1,001 licenses	2,001 licenses

Test installations with up to 10 licences (Neuron IDs) are free of charge and can be used for an unlimited period of time.

### Functions



Control of luminaire controllers iLC, iPC, iPC-HD, future products: On/Off, Dimming, RGBW adjustment, Diagnosis of single luminaire and luminaire groups



Creation of luminaire groups



Support of the mandatory part of the LON profile (based on the LonMark OLC profile 35.12.) to ensure interoperability of the devices



Visualisation of measured data: voltage, current, power factor, power consumption, energy, temperature, phase shift cos(phi), operating hours, dimming status; visualisation by values and graphically.



Time-controlled switching: Adjustment of astronomical time shift (twilight) with time offset; scheduled switching of luminaire groups by day, week and date; with 4 priority levels



Detailed failure analysis



Filter & Updates: Data can be filtered in all areas (luminaire, street, district, city, etc.); Execution of bulk updates: Change multiple data for multiple luminaires at the same time



Geographical Data: Loading of geographical data stored in the controllers



Alarm function: Handling of alarms incl. escalation functionality and notification of registered users via email or SMS and flexible email-address entry

