

## APPLICATION

The SmartPatch connectivity management software technology from Brand-Rex gives you the tools you need to manage your physical network layer simply, efficiently and cost-effectively. By providing a full, transparent, up-to-date model of the Physical Layer, SmartPatch CMS makes it easy to visualize and analyze your complete end-to-end cabling infrastructure, IT assets, racks and power. With less time spent tracking connections and less room for errors, the result is less downtime and reduced maintenance costs. SmartPatch CMS is a future-proof investment that scales to support many roles such as network administrators, network engineers, helpdesk support, asset and floor managers. The software's useful features and intuitive operation improves and simplifies network management, resulting in fewer errors and less downtime SmartPatch is the only truly adaptable solution for documenting and administering the Physical Layer of your network.

## FEATURES

- Latest information always available
- Control over user permissions
- Universal solution
- Future-proof investment
- Low maintenance
- Low cost
- Lifecycle support



## FEATURES IN-DEPTH

- Always accessible with the latest information
  - SmartPatch offers a full web application as well as a smart-phone client. The server automatically synchronizes data with the client processes, ensuring the latest data always are always at the fingertips of both mobile and desktop users.
- Flexibility with a universal API
  - Application Programming Interface (API) allows you to simple, flexible and intuitive communication between SmartPatch and any 3<sup>th</sup> party software applications. Standard integration with real time street maps, GEO information or the latest state of the art Brand-Rex RFID hardware solution.
- Easy installation
  - SmartPatch is simple to install and setup. With easy migration from existing legacy data sources, you will be up and running in no time.
- User permission control
  - SmartPatch incorporates a fully customizable fine grained policy based user management that gives the detailed control of who is allowed to do what, ensuring that user actions are kept in line with their assigned job role.

- Universal Solution future-proof investment
  - SmartPatch is a truly adaptable solution for documenting and administration of your physical layer network. Universally applicable solution with template-based modelling off all components that enables application to a wide variety of networks. Easily configurable and fully customizable to every user's requirements, it adapts to your current and evolving infrastructure. Management of copper, fibre, WAN (out-side plant), LAN, power infrastructure and DCIM environment.
- Reporting
  - SmartPatch provides fully customizable access and presentation of network data, ensuring that a variety of users can generate reports relevant to their requirements.
- Low Maintenance, Low Cost
  - SmartPatch robust, server based architecture scales seamlessly with the growth to offer continued reliable 24/7 operation, requiring minimal maintenance.
- Optimization and Impact
  - SmartPatch allows you to optimise the process of 'Moves', 'Adds' and 'Changes' in the physical layer and view and provide available provisioning network capacity ,cabinets and power. Assessing the impact of loss of connectivity of power and network connections.
- Lifecycle support
  - SmartPatch includes support for the whole network infrastructure lifecycle including design, installation, and operation and decommissioning. This support assists proper planning and execution of each stage and is a useful, time saving feature in many work processes.

## SERVER PLATFORM

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- Hardware Dual core processor 2.5 GHz, RAM 8 GB, Hard disk > 1 GB available
- Operating Systems Windows Server 2003, 2008, 2012 (64-bit), Linux 64-bit (Redhat, Debian, CentOS)
- Server Types In-House, Software as a service SaaS (Cloud-based)
- Database In-House Server MS SQL Server 2005 / 2008 / 2012, Oracle, MySQL
- Software as a Services MySQL
- Database memory 1 MB per 1'000 objects
- Java / Apache Tomcat Oracle Java 7.x  
Apache Tomcat 7.0.27 or higher
- Third party system integration Web services API (WDSL/SOAP), SNMP, JDBC, CSV

## CLIENT PLATFORM

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- Hardware Processor at least 2 GHz, RAM > 2 GB, Hard disk > 100MB available
- Operating Systems Windows XP, Windows Vista, Windows 7, Windows 8 (32-bit and 64-bit where applicable) Linux, MacOS
- Web browser Internet Explorer, Mozilla Firefox, Google Chrome, Opera Java Oracle Java 1.7 or higher
- Mobile Client Android, iOS, HTML5

## STANDARDS COMPLIANCE

- ANSI/TIA-606-C                      Labelling Scheme
- ISO/IEC 27001                      Information Security
- ISO/IEC 20000                      IT Service Management
- CENELEC 51074                    Installation of Telecommunication Cabling
- ITIL                                      IT Infrastructure Library

## ORDER INFO - CMS SOFTWARE (IN-HOUSE)

Brand-Rex Part Number	Item Description	Requirement
IPSSWSVR20R	SmartPatch enhanced software - Server-In-house-20 racks	Basic Requirement <sup>1</sup>
IPSSWSVRA1RE	SmartPatch enhanced software - Server - In-house - Racks Expansion to 30 racks (10 racks expansion)	Extension package possibilities when using IPSSWSVR20R as the basic requirement
IPSSWSVRA2RE	SmartPatch enhanced software - Server - In-house - Racks Expansion from 31 to 390 racks (10 racks expansion from 31 to 390 racks)	
IPSSWSVRA3RE	SmartPatch enhanced software - Server-In-house - Racks Expansion from 391 racks (10 racks expansion from 391 racks)	
IPSSWSVRA5P	SmartPatch Managed Ports 500 ports	

## ORDER INFO – FEATURE UPGRADE CMS SOFTWARE (IN-HOUSE)

Brand-Rex Part Number	Item Description	Requirement
IPSSWSVRA1RFU	SmartPatch enhanced software - Server - In-house - Feature Upgrade to 30 racks	Upgrade package possibilities when using IPSSWSVR20R as the basic requirement
IPSSWSVRA2FU	SmartPatch enhanced software - Server - In-house - Feature Upgrade from 31 to 390 racks (10 racks expansion from 31 to 390 racks)	
IPSSWSVRA3FU	SmartPatch enhanced software - Server - In-house - Feature Upgrade from 391 racks (10 racks expansion from 391 racks)	

## ORDER INFO - CMS BRIDGE SOFTWARE (IN-HOUSE)

Brand-Rex Part Number	Item Description	Requirement
IPSSWSVRGISI	SmartPatch enhanced software - Server - In-house - GIS integration	System integration possibilities when using IPSSWSVR20R as the basic requirement
IPSSWSVRSDIB	SmartPatch enhanced software - In-house - Switch Data Synchronization Bridge	
IPSSWSVRDIB	SmartPatch enhanced software - Server - In-house - Data Integration Bridge	

## ORDER INFO - CMS SUPPORT

Brand-Rex Part Number	Item Description
IPSSWSVRS AE	SmartPatch enhanced software - Service Agreement <sup>2</sup>

## ORDER INFO - CMS SOFTWARE (SaaS)

Brand-Rex Part Number	Item Description	Requirement
IPSSWSVR20R-CA	SmartPatch enhanced software - Software as a Service - 20 racks annual contract	Basic Requirement <sup>1</sup>
IPSSWSVRA1RE-CA	SmartPatch enhanced software - Software as a Service - expansion to 30 racks annual contract (10 racks expansion SaaS)	Extension package possibilities when using IPSSWSVR20R-CA as the basic requirement
IPSSWSVRA2RE-CA	SmartPatch enhanced software - Software as a Service - Expansion from 31 to 390 racks (10 racks expansion SaaS)	
IPSSWSVRA3RE-CA	SmartPatch enhanced software - Software as a Service - Expansion from 391 racks (10 racks expansion SaaS)	
IPSSWSVRA5P-CA	SmartPatch Manage Managed Ports software - Software as a Service 500 ports year contract	

## ORDER INFO – FEATURE UPGRADE CMS SOFTWARE (SaaS)

Brand-Rex Part Number	Item Description	Requirement
IPSSWSVRA1RFU-CA	SmartPatch enhanced software - Software as a Service - Feature Upgrade to 30 racks annual contract	Upgrade package possibilities when using IPSSWSVR20R-CA as the basic requirement
IPSSWSVRA2FU-CA	SmartPatch enhanced software - Software as a Service - Feature Upgrade from 31 to 390 racks annual contract (10 racks expansion SaaS)	
IPSSWSVRA3FU-CA	SmartPatch enhanced software - Software as a Service - Feature Upgrade from 391 racks annual contract (10 racks expansion SaaS)	

## ORDER INFO - CMS BRIDGE SOFTWARE (SaaS)

Brand-Rex Part Number	Item Description	Requirement
IPSSWSVRGISI-CA	SmartPatch enhanced software - Software as a Service - Manage SaaS GIS integration annual contract	System integration possibilities when using IPSSWSVR20R-CA as the basic requirement
IPSSWSVRSDIB-CA	SmartPatch enhanced software - Software as a Service - Switch Data Synchronisation Bridge annual contract	
IPSSWSVRDIB-CA	SmartPatch enhanced software - Software as a Service - Data Integration Bridge	

<sup>1</sup> Restricted to 12 user-defined attributes, 10 reports, 20 work orders, 2 resources and does not include access to the API other than via the standard bridges. The attributes required for the configuration of the bridge to the intelligent hardware do not count towards the 12 user-defined attributes limit of the base license. Based on an annual fee per year.

<sup>2</sup> 3rd line email and telephone support between 08:00 and 18:00 CET on normal working days with a 4-hour response time and including: upgrades, updates, request a template service.

*“Brand-Rex is **dedicated to designing, developing and manufacturing sustainable high performance structured cabling and speciality cabling solutions**”*

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