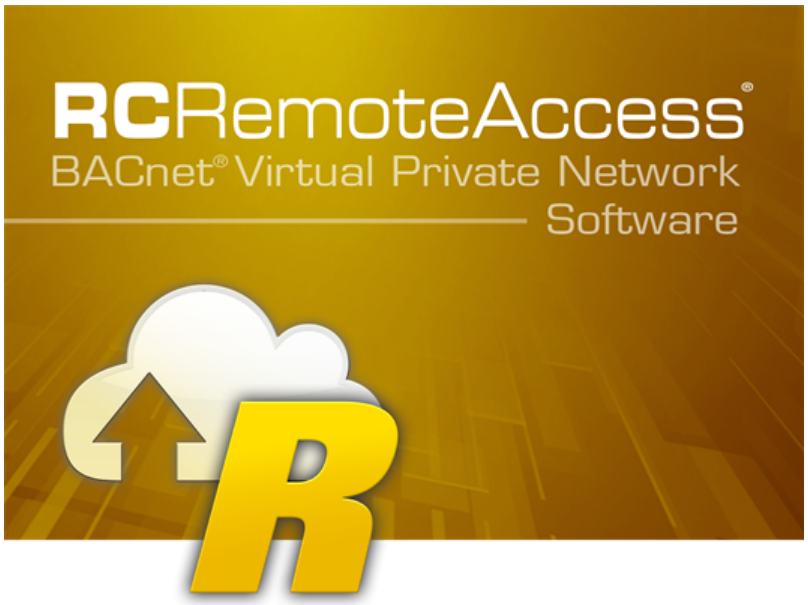


Simplify your IT management and improve your data communications security with RC-RemoteAccess®, a flexible BACnet Secure Network (B/SN) solution that is scalable and affordable. This easy-to-use software does not require additional routers or controllers to deploy and permits multiple separate VLAN configurations. Save time and money by deploying and managing your own B/SN.

RC-RemoteAccess simplifies and secures internet connections to BACnet/IP devices, eliminating the need for BACnet Broadcast Management Devices (BBMDs), static public IP addresses, and forwarding of unencrypted BACnet communications through firewalls. Connect multiple remote systems into a single B/SN across the internet using proprietary encrypted BACnet Virtual Private Network (B/VPN) or standard BACnet Secure Connect (B/SC) protocols. The software can be installed on the same server as RC-WebView®, RC-Archive®, and RC-Reporter® or on an independent server. Communications are secured by imposing authentication and system identifier credentials with 256-bit encryption.

Project:	Dealer Information:
Engineer:	
Approved by:	

Product features

Simplification

- Supports Domain Name System or static IP for server ID.
- Supports Dynamic Host Control Protocol clients.
- Hosts multiple B/SNs by name, not port number.
- A single inbound port services multiple connections, minimizes port forwarding rules, and improves security.

BACnet Support

- Uses standard BACnet routing rules between connected clients.
- Supports BACnet Secure Connect (B/SC).

Stability

- Uses TCP for superior data integrity and persistent communications.

BACnet Secure Network Configuration

- A wizard guides the client configuration process.

Network Access

- Connects multiple remote systems in a single BACnet internetwork across the internet.
- Eliminates the need for BBMDs, Broadcast Distribution Tables, foreign device registrations, static public IP addresses, and forwarding of unencrypted BACnet communications through firewalls.
- Supports a Failover server for added network reliability.

Security

- Secures all communications with 256-bit encryption, which requires authentication and system identifier credentials.
- Uses TLS 1.2 or later protocol.
- Supports certificates of up to 4,096 bits to secure connections.

License and Updates Subscription

- Licensing is limited by the number of connections per server.
- Supports up to 5,000 connections per server (see Note).
  Note: Maximum deployment is dependent on server hardware and the internet service provider.
- Supports up to 500 BACnet Secure Networks (B/SNs) per server.
- Failover server requires its own base software license and connections equal to the Primary server.
- Subscription for 12 months of online software updates included with initial license purchase.
- No penalty to renew expired subscriptions.

Technical specifications

Recommended Minimum Server Requirements

- Intel Core i5, 3 Ghz PC. Minimum dual core.
- 1 GB or higher free hard disk space. 4 GB or higher of RAM.
- Internet connection required.
- Network interface card for Ethernet communications.
- Microsoft Windows 2016 Server Standard Edition or later.
- Microsoft Azure-hosted virtual machine.

Browser Support

- Chrome.
- Edge.

Controllers with Support for B/SN

- MACH-ProCom™.
- MACH-ProSys™.
- MACH-ProWebCom™.
- MACH-ProWebSys™.
- MACH-ProView™–all models except -M models.

Ordering

RC-RA3

- Base software license with no connections, expandable to 5,000 clients.

RC-RA3-1A

- Adds one unique client to existing license. Must have previously purchased RC-RA3.

RC-RA3-10A

- Adds 10 unique clients to existing license. Must have previously purchased RC-RA3.

RC-RA3-100A

- Adds 100 unique clients to existing license. Must have previously purchased RC-RA3.

RC-RA3-1000A

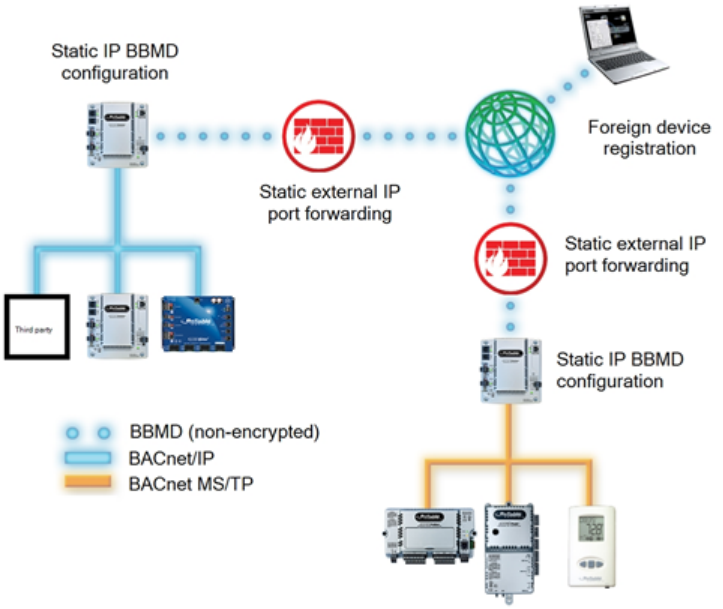
- Adds 1,000 unique clients to existing license. Must have previously purchased RC-RA3.

RC-RA3-S

- Subscription for 12 months of online software updates.

Diagrams

Before RC-RemoteAccess



After RC-RemoteAccess