

# WebAccess/VPN

Advanced Secure Networking Platform for  
Cellular Routers and Gateways

- ✓ Secure Private Networks in Internet
- ✓ Encrypted & Reliable Communication
- ✓ Centrally defined VPN topology
- ✓ Managed LAN, 1:1 NAT modes
- ✓ Firewall & Access Control
- ✓ User-friendly Management
- ✓ Easy Deployment
- ✓ Extensive Platform Compatibility



**ADVANTECH**

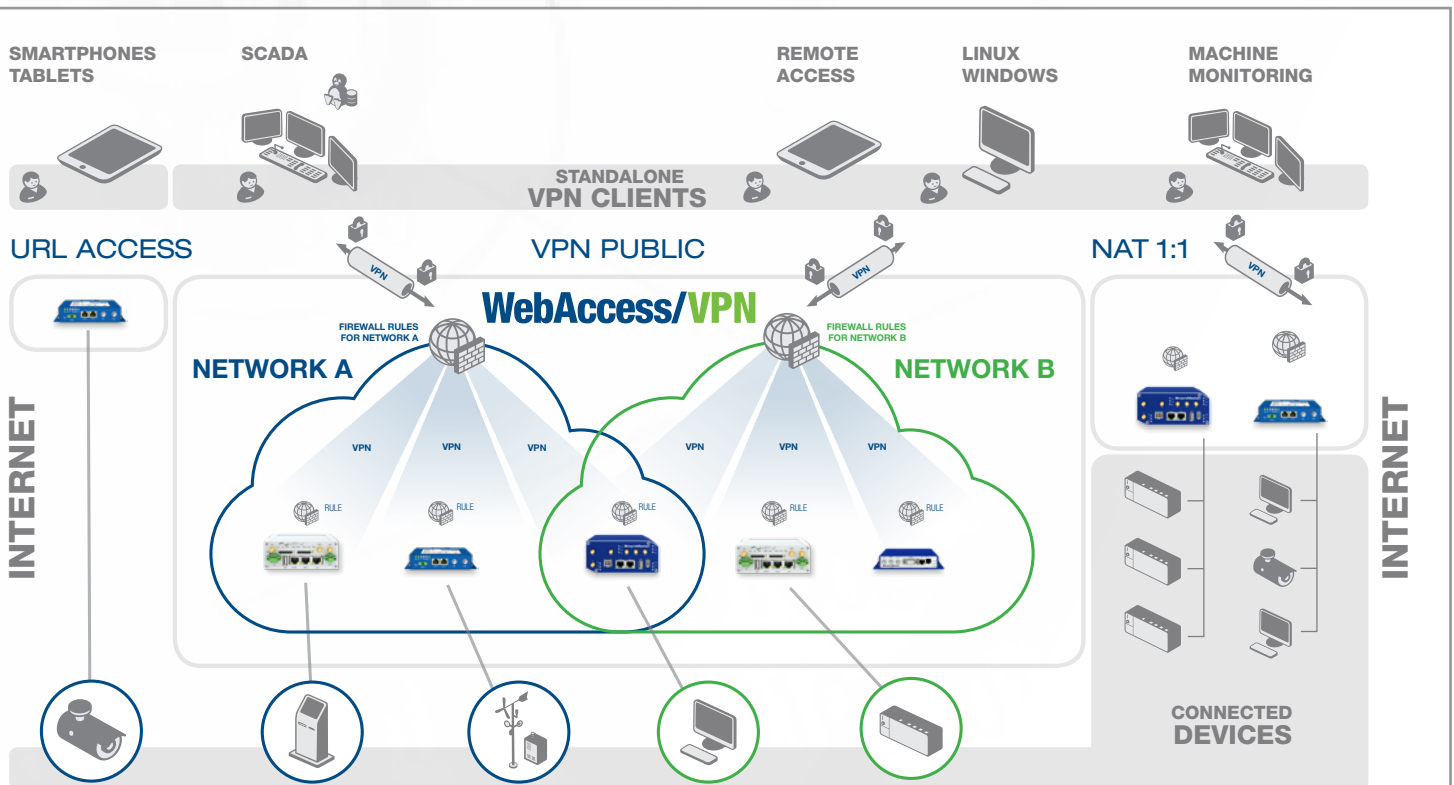
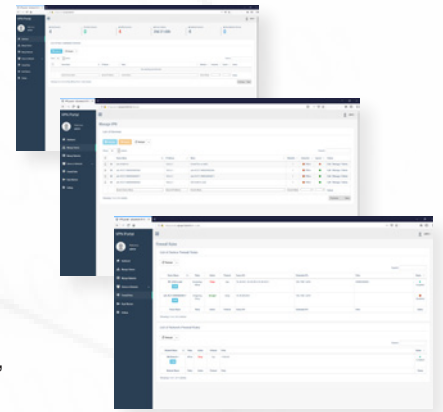
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[www.advantech.com](http://www.advantech.com)

# WebAccess/VPN

**WebAccess/VPN** is an advanced VPN management solution for safe interconnection of Advantech routers and LAN networks in public Internet. Connection among devices and networks can be regional or global and can combine different technology platforms and various wireless, LTE, fixed and satellite connectivities.

**WebAccess/VPN** provides an easy and secure connectivity platform for applications such as branch connection, remote access, machine monitoring in industry sectors like Utilities & Energy, Automation, Predictive maintenance, Industrial IoT for any end device types such as Computers, PLCs, RTUs, Cameras, Terminals...



## The WebAccess/VPN - EASY and SECURE VPN Solution Facts & Benefits

- **WebAccess/VPN** makes it easy to set, scale and supervise secure networks of Advantech routers and other devices in Internet environment.
- **WebAccess/VPN** solves network security issues and provides secure connections for individual LANs.
- **All communication** going through the **VPN Portal** is **encrypted** and **hidden** from potential intruders.
- The architecture of **WebAccess/VPN** withstands common attack vectors. The network traffic runs through OpenVPN tunnels.
- **Independent** of mobile operators. No need for public or static IPs. No need for private APN or DDNS.
- Each device connected to the router within VPN network has a **fixed private IP** address for transparent communication.
- **User-friendly Management** helps admins and users to configure and control routers in their defined LANs
- **WebAccess/VPN** is compatible with SCADA systems, Linux, Windows, Smart phones, Tablets etc.
- **WebAccess/VPN** is compatible with existing network topologies such as Cellular, Fibre, Satellite, ADSL.

# PRODUCT FEATURES

## The secure interconnection networking platform

Communication among devices and third-party devices is encrypted. Only the devices with valid certificates can connect to each other and safe HTTPS protocol is used for VPN portal UI connection. WebAccess/VPN provides complete supervision over the network and builds a highly resistant „private environment“ within the Internet.

The key security factors:

- All connecting devices must be validated
- All-time encryption over all phases
- VPN tunnel established using strong cryptography

## Sub-network concept for inter-router access control

The networks concept within the **WebAccess/VPN** allows the customer to create “fine grade groups” of router visibility/reachability. The routers are grouped into Networks with device possibility to be visible in more networks crossovers. This feature allows the customer to create separate groups of routers that are visible to each other and also assign a router to be a member of more networks concurrently.

## Independent management for each router interface

**WebAccess/VPN** provides 4 user selected modes – each mode can be operated on every router interface (Ethernet or WIFI) independently.

- **VPN Public** - connected devices to the router are visible for all routers in the same network
- **1:1 NAT** - LAN IP addresses are translated to the virtual address space
- **Local Only** - LAN settings is managed but devices on this LAN cannot access the VPN
- **Ignored** - LAN is not managed at all

## Standalone VPN Client access for any other device

One of the top features - Standalone VPN Client. From a practical point of view we talk about computers, PC's or other devices accessing routers and devices connected to routers through the encrypted OpenVPN channel (VPN Public, 1:1 NAT modes).

## Access control - Fine grade firewall rules

**WebAccess/VPN** portal supports custom selected filtering rules for each connected device or whole network independently. Based on the communication direction **WebAccess/VPN** operates with two categories - Incoming and Outgoing communication. Each direction has its own default policy settings that can be „Allowed“ or „Denied“ by user.

## Zero-touch centralized configuration

All devices are directly managed using a secure control channel from **WebAccess/VPN**. The reconfigurations of routers in the field (LAN IP settings, assign to network membership, access control) are distributed automatically in real time.

## Central point for direct access to router GUI

**WebAccess/VPN** is the central point of direct online access to the router web interface via internal proxy server. It's a handy tool for instant remote device maintenance and diagnostics.

# SW OPTIONS & ORDERING CODES

**WebAccess/VPN** is distributed as On-Premise version or as a prepared image for Amazon cloud (AWS). After downloading **WebAccess/VPN** installation package and On-Premise installation. This enables the server connection to 5 routers and 2 standalone VPN clients. Such an installation is **FREE OF CHARGE**, time unlimited and supports full set of **WebAccess/VPN** features. To unlock the possibility to add a higher number of routers into **WebAccess/VPN** follow the ordering codes below to obtain the appropriate licence file.

### ORDERING CODES

|             |   |
|-------------|---|
| VPN-SW-50   | WebAccess/VPN, SW for 50 routers and 10 VPN clients     |
| VPN-SW-500  | WebAccess/VPN, SW for 500 routers and 50 VPN clients    |
| VPN-SW-5000 | WebAccess/VPN, SW for 5 000 routers and 100 VPN clients |

## Free software updates for 24 months

For every **WebAccess/VPN** licence software updates are available for no additional cost in total duration of 24 months from the date of software activation. During this extend long period of time the administrator can update **WebAccess/VPN** to the newest version released.

# HW REQUIREMENTS

Please check hardware requirements in the up to date version of **WebAccess/VPN** User guide.





## Regional Service & Customization Centers

|              |                             |               |                           |                    |                             |               |                           |            |                                |
|--------------|-----------------------------|---------------|---------------------------|--------------------|-----------------------------|---------------|---------------------------|------------|--------------------------------|
| <b>China</b> | Kunshan<br>86-512-5777-5666 | <b>Taiwan</b> | Taipei<br>886-2-2792-7818 | <b>Netherlands</b> | Eindhoven<br>31-40-267-7000 | <b>Poland</b> | Warsaw<br>00800-2426-8080 | <b>USA</b> | Milpitas, CA<br>1-408-519-3898 |
|--------------|-----------------------------|---------------|---------------------------|--------------------|-----------------------------|---------------|---------------------------|------------|--------------------------------|

## Worldwide Offices

### Greater China

|              |                  |
|--------------|------------------|
| <b>China</b> |                  |
| Toll Free    | 800-810-0345     |
| Beijing      | 86-10-6298-4346  |
| Shanghai     | 86-21-3632-1616  |
| Shenzhen     | 86-755-8212-4222 |
| Chengdu      | 86-28-8545-0198  |
| Hong Kong    | 852-2720-5118    |

|                     |                 |
|---------------------|-----------------|
| <b>Taiwan</b>       |                 |
| Toll Free           | 0800-777-111    |
| Taipei & IoT Campus | 886-2-2792-7818 |
| Taichung            | 886-4-2372-5058 |
| Kaohsiung           | 886-7-392-3600  |

### Middle East and Africa

|        |             |
|--------|-------------|
| Israel | 072-2410527 |
|--------|-------------|

### Asia

|              |                  |
|--------------|------------------|
| <b>Japan</b> |                  |
| Toll Free    | 0800-500-1055    |
| Tokyo        | 81-3-6802-1021   |
| Osaka        | 81-6-6267-1887   |
| Nagoya       | 81-0800-500-1055 |

|              |                |
|--------------|----------------|
| <b>Korea</b> |                |
| Toll Free    | 080-363-9494   |
| Seoul        | 82-2-3663-9494 |

|                  |              |
|------------------|--------------|
| <b>Singapore</b> |              |
| Singapore        | 65-6442-1000 |

|                 |                |
|-----------------|----------------|
| <b>Malaysia</b> |                |
| Kuala Lumpur    | 60-3-7725-4188 |
| Penang          | 60-4-537-9188  |

|                 |                 |
|-----------------|-----------------|
| <b>Thailand</b> |                 |
| Bangkok         | 66-02-2488306-9 |

|                |                 |
|----------------|-----------------|
| <b>Vietnam</b> |                 |
| Hanoi          | 84-24-3399-1155 |

|                  |                |
|------------------|----------------|
| <b>Indonesia</b> |                |
| Jakarta          | 62-21-751-1939 |

|                  |                |
|------------------|----------------|
| <b>Australia</b> |                |
| Toll Free        | 1300-308-531   |
| Melbourne        | 61-3-9797-0100 |

|              |                 |
|--------------|-----------------|
| <b>India</b> |                 |
| Bangalore    | 91-80-2545-0206 |
| Pune         | 91-94-2260-2349 |

### Europe

|                    |                |
|--------------------|----------------|
| <b>Netherlands</b> |                |
| Eindhoven          | 31-40-267-7000 |
| Breda              | 31-76-523-3100 |

|                |                    |
|----------------|--------------------|
| <b>Germany</b> |                    |
| Toll Free      | 00800-2426-8080/81 |
| Munich         | 49-89-12599-0      |
| Düsseldorf     | 49-2103-97-855-0   |

|               |                |
|---------------|----------------|
| <b>France</b> |                |
| Paris         | 33-1-4119-4666 |

|              |                |
|--------------|----------------|
| <b>Italy</b> |                |
| Milan        | 39-02-9544-961 |

|           |                   |
|-----------|-------------------|
| <b>UK</b> |                   |
| Newcastle | 44-0-191-262-4844 |
| London    | 44-0-870-493-1433 |

|              |                 |
|--------------|-----------------|
| <b>Spain</b> |                 |
| Madrid       | 34-91-668-86-76 |

|               |               |
|---------------|---------------|
| <b>Sweden</b> |               |
| Stockholm     | 46-722-293423 |

|               |                 |
|---------------|-----------------|
| <b>Poland</b> |                 |
| Warsaw        | 48-22-31-51-100 |

|                |                 |
|----------------|-----------------|
| <b>Russia</b>  |                 |
| Moscow         | 8-800-555-01-50 |
| St. Petersburg | 8-800-555-81-20 |

|                       |                  |
|-----------------------|------------------|
| <b>Czech Republic</b> |                  |
| Ústí nad Orlicí       | 420-465-52-44-21 |

|                |               |
|----------------|---------------|
| <b>Ireland</b> |               |
| Galway         | 353-91-792444 |

### Americas

|                      |                |
|----------------------|----------------|
| <b>North America</b> |                |
| Toll Free            | 1-888-576-9668 |
| Cincinnati           | 1-513-742-8895 |
| Milpitas             | 1-408-519-3898 |
| Irvine               | 1-949-420-2500 |
| Ottawa               | 1-815-434-8731 |

|               |                 |
|---------------|-----------------|
| <b>Brazil</b> |                 |
| Toll Free     | 0800-770-5355   |
| São Paulo     | 55-11-5592-5367 |

|               |                 |
|---------------|-----------------|
| <b>Mexico</b> |                 |
| Toll Free     | 1-800-467-2415  |
| Mexico City   | 52-55-6275-2727 |

# WebAccess/VPN

COMPATIBLE WITH V2 FAMILY (LR77 V2, UR51 V2) AND V3 FAMILY (ICR-3XXX, SmartStart, SmartFlex, SmartMotion) CELLULAR ROUTERS & GATEWAYS.



**V2**  
LIBRATUM



**V2**  
UR51 V2, LR77 V2



**V3**  
SmartFlex



**V3**  
SmartMotion



**V3**  
ICR-3200



**V3**  
SmartStart

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June 27, 2019 12:59 PM

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