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

Enabling an Intelligent Planet

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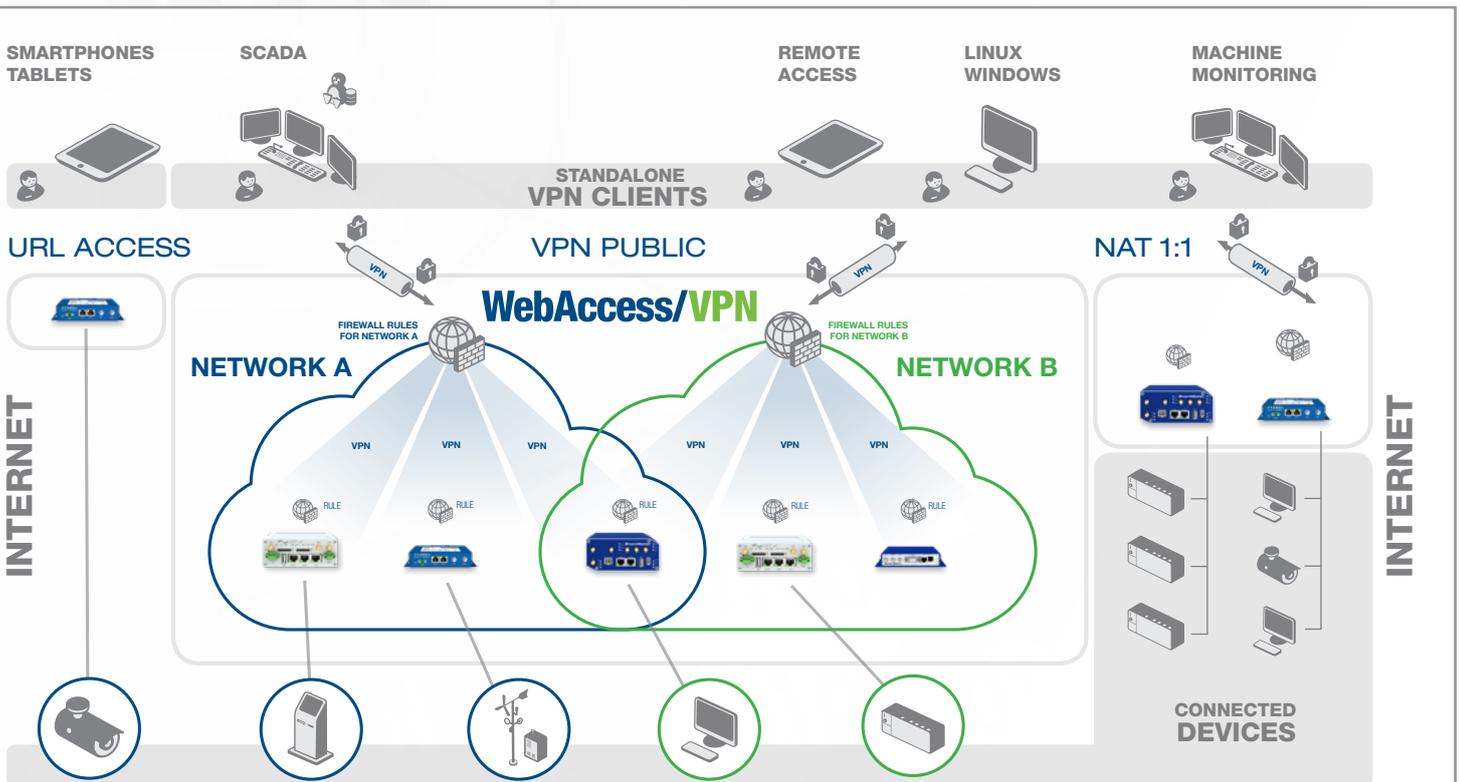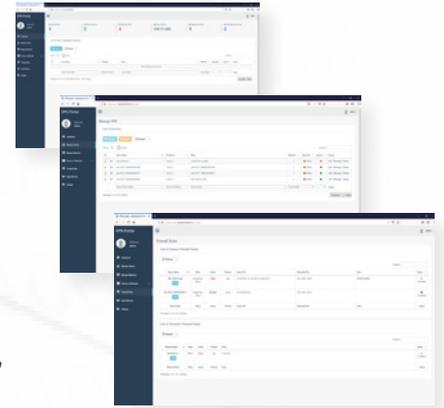
The WebAccess/VPN - EASY and SECURE VPN Solution Facts & Benefits

- **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** instalation 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 additonal 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

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

Worldwide Offices

Greater China

China
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

Taiwan
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

Japan
Toll Free	0800-500-1055
Tokyo	81-3-6802-1021
Osaka	81-6-6267-1887
Nagoya	81-0800-500-1055

Korea
Toll Free	080-363-9494
Seoul	82-2-3663-9494

Singapore
Singapore	65-6442-1000

Malaysia
Kuala Lumpur	60-3-7725-4188
Penang	60-4-537-9188

Thailand
Bangkok	66-02-2488306-9

Vietnam
Hanoi	84-24-3399-1155

Indonesia
Jakarta	62-21-751-1939

Australia
Toll Free	1300-308-531
Melbourne	61-3-9797-0100

India
Bangalore	91-80-2545-0206
Pune	91-94-2260-2349

Europe

Netherlands
Eindhoven	31-40-267-7000
Breda	31-76-523-3100

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

France
Paris	33-1-4119-4666

Italy
Milan	39-02-9544-961

UK
Newcastle	44-0-191-262-4844
London	44-0-870-493-1433

Spain
Madrid	34-91-668-86-76

Sweden
Stockholm	46-722-293423

Poland
Warsaw	48-22-31-51-100

Russia
Moscow	8-800-555-01-50
St. Petersburg	8-800-555-81-20

Czech Republic
Ústí nad Orlicí	420-465-52-44-21

Ireland
Galway	353-91-792444

Americas

North America
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

Brazil
Toll Free	0800-770-5355
São Paulo	55-11-5592-5367

Mexico
Toll Free	1-800-467-2415
Mexico City	52-55-6275-2727

WebAccess/VPN

COMPATIBLE WITH V2 FAMILY (LR77 V2, UR5I V2) AND V3 FAMILY (ICR-3XXX, SmartStart, SmartFlex, SmartMotion) CELLULAR ROUTERS & GATEWAYS.

V2
LIBRATUM

V2
UR5I V2, LR77 V2

V3
SmartFlex

V3
SmartMotion

V3
ICR-3200

V3
SmartStart

ADVANTECH
Enabling an Intelligent Planet