



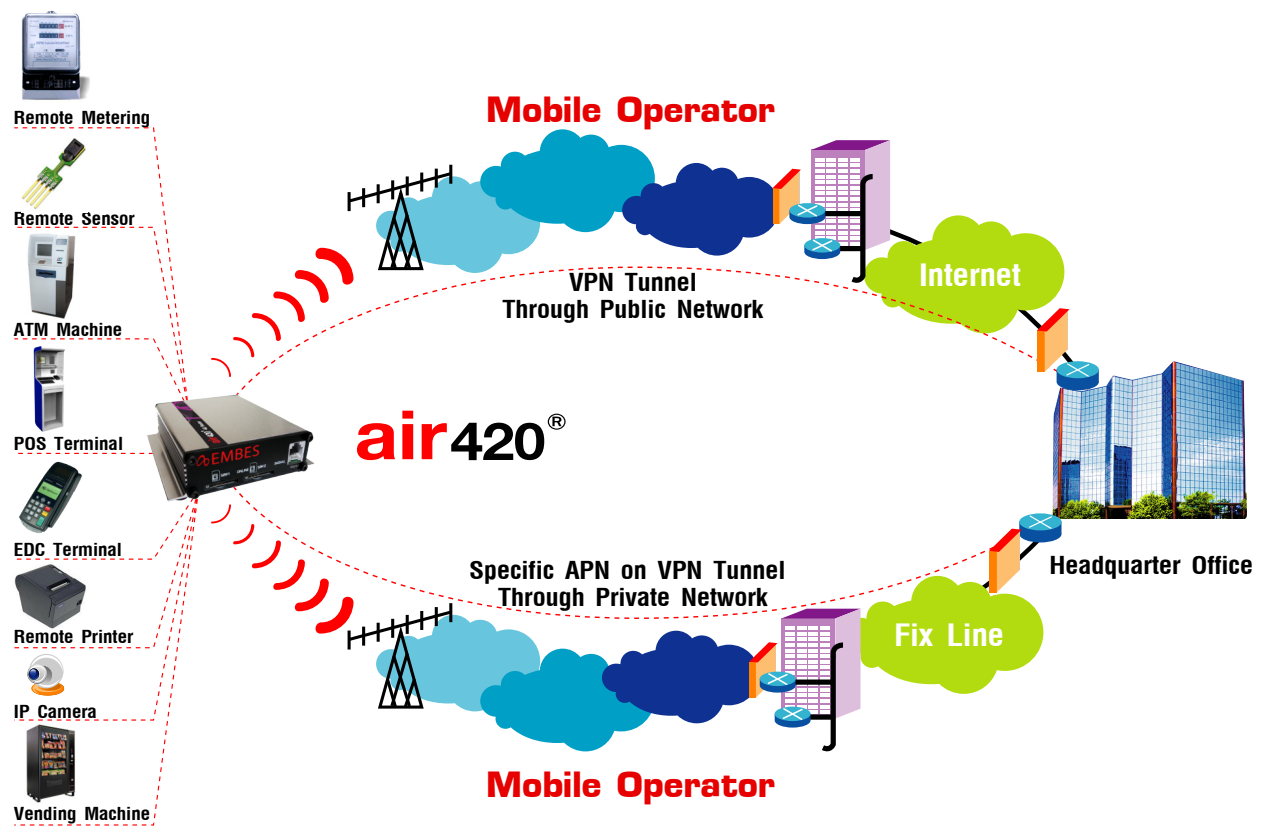
air420[®]

Anywhere Anytime Any...Device

air420[®] is a cost optimized model of industrial grade 4G LTE Wireless WAN cellular routers, gateways and VPN appliances that provide secure high-speed wireless communication to any devices and remote sites. **air420[®]** can be used for reliable primary wireless WAN network communication to equipment at remote sites, as well as a backup for existing landline communications. They are also ideally to be used where wired networks (e.g. leased line, MPLS, ADSL) are not available, or where alternative network communications are required. The hardware based has designed on embedded system rules that use low power consumption and industrial design so that can be used in the extreme environment including the software design that concerns data security certified by nationwide standard while still maintaining its flexibility during performance. Therefore, you can benefit from **air420[®]** to use with the wide range of applications that use Ethernet Protocol and also Serial Protocol in a form of Serial Server. Some of the examples are Video Surveillance, Video Conference, Digital Signage, ATM Machine, Vending Machine, EDC Terminal, Data Logger, Data Transferring between Headquarter and Branch, Retail/POS sites, remote printer, new construction locations, temporary office, industrial automation, traffic management, medical, vending machine and much more.

As for Port Interface, **air420[®]** strength is the provision of 1 WAN and 1 LAN port which enable to divide Segment for increase the level of security of your data. In addition, you can benefit from WAN Port by connecting with Wire line Network such as MPLS or ADSL. This can be easily accommodated because **air420[®]** will choose which network suits your network the best.

You can easily configure individual devices through web based configuration and many devices through iManagement, intelligent remote device management software that provides easy setup, configuration, reporting, logging and monitoring for large installations. Also, you can proactively monitor for problem devices including excessive data usage, signal quality, latency, connection history and upgrade thousand devices easily.

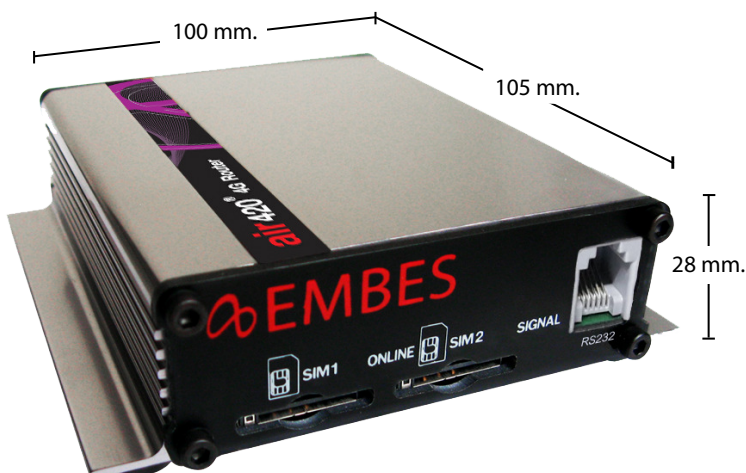


Hardware Feature **air420**[®]

- ▶ MIPs Processor MIPS24KEc 580 MHz
- ▶ 16 MB Flash and 128 MB Ram
- ▶ 1 WAN and 1 LAN Ethernet 10/100 or 2 LAN Ethernet 10/100 (Configurable)
- ▶ 2 Push SIM Socket WWAN Cellular Dual SIM Active/Stand-by
- ▶ 1 Console Port
- ▶ LED Status (Wan Status, SIM Status, Signal Strength)
- ▶ Hardware Monitoring (Temperature, Volt-in, Volt-out)
- ▶ Real Time Clock & Hardware Watchdog
- ▶ 50 Ohm Dual SMA Connector for WWAN Cellular 3G/4G
- ▶ Standard Antenna 2 dBi gain (optional : High Gain Dipole 14 dBi)
- ▶ Operation Temperature -25C to +70C
- ▶ Real Power Consumption 3.6 Watt
- ▶ AC Adapter 12V 1A
- ▶ Dimension (WxDxH) 105x100x28 mm.
Weight 300 g.

Wireless Carrier Specification and Certification

- ▶ 4G LTE
 - LTE 800/850/900/1800/2100/2600 MHz
 - DL up to 100 Mbps, UL up to 50 Mbps, 2x2 DL MIMO
- ▶ 3G
 - Tri Band UMTS(WCDMA) 850/900/2100 MHz
 - HSPA+ DL CAT24 / UL CAT6, Dual Carrier
 - DL up to 42 Mbps, UL up to 5.76 Mbps
- ▶ 2G
 - Dual Band 900/1800 MHz
 - GPRS Class 12 data rates
 - DL and UP up to 85.6 Kbps



Software Feature and Protocols Supported

- ▶ IP V4/V6 dual stack
- ▶ NAT Static and Dynamic
- ▶ Port Forwarding Protocol UPnP and NAT-PMP
- ▶ Dynamic Routing : VPN pass-through, RIPv2, OSPF and BGP
- ▶ Tunnel : IPSec with IKEv1/v2, IPsec, PPTP, OpenVPN, GRE (10 Tunnel Included), GRE Keepalive, L2TP Compression
- ▶ IPSec Encryption : AES and 3DES
- ▶ Cryptology : SHA-256, SHA-1, MD5
- ▶ Firewall : IP allow/deny/drop, Port Selection
- ▶ SNMP V1, V2
- ▶ Dynamic DNS, DHCP
- ▶ VLAN
- ▶ Quality of Service (QoS)
- ▶ Automatic WAN Switching for Link Backup
- ▶ Wireless Distribution System (WDS) including : WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK Mixed Mode (optional)
- ▶ Wifi Content Filtering (optional)
- ▶ Temperature and Voltage Monitoring

Management and Configuration

- ▶ SNMP V1, V2
- ▶ Web Interface and CLI using SSH/Console
- ▶ SMS Reset
- ▶ iManagement

