SmartFlex

Flexible, Modular LTE Router



Features

- Powerful CPU and enhanced memory
- . Extended operational temperature range from -40 °C to +75 °C
- $10 \sim 60 V_{DC}$ operated with transient and reverse polarity voltage protection
- Flexible Port options, such as 3-port Switch, Ethernet and S232/422/485 serial ports with isolation
- GPS and GLONASS support
- MicroSD card holder
- Low power consumption mode for solar and battery power applications
- . Optional industrial grade Wi-Fi
- PoE PD, PoE PSE, In/Out, USB Host .
- Advanced security features

Introduction

The SmartFlex[™] cellular router provides secure Internet connectivity for devices and LANs via cellular networks. It can be used to provide automatic wireless failover for wired networks, wireless connectivity for devices in remote locations where cable connections are impractical, and wireless connectivity for mobile assets. With upload speeds of up to 50 Mbit/s and download speeds of up to 100 Mbps, SmartFlex provides ample bandwidth, even for applications that require video.

Features

Software

oonward	
 Network and Routing 	DHCP Server, , DHCP Client, NAT/PAT, VRRP, Dynamic DNS client, DNS proxy, VLAN, QoS, NTP Client/ Server, IGMP, BGP, OSPF, RIP, SMTP, SMTPS, SNMP v1 / v2c/ v3, Backup routes, PPP, PPOE, SSL, Port Forwarding, Host Port Routing, Ethernet Bridging
 Security 	ATTPS, SSH, VPN tunnels, SFTP, Firewall (IP Filtering, MAC address filtering, Inbound and outbound Port filtering)
 VPN tunneling 	Open VPN client and server and P2P, L2TP, PPTP, GRE, EasyVPN, DMVPN, IPSec with IKEV1 and IKEV2
 Configuration 	Web server, SSH, Four configuration switchable profiles, Automatic configurationupdate from server Backup configuration, Restore configuration
 Firmware Management 	Automatic firmware update from server, Locally via LAN and USB or remotely OTA (HTTP, HTTPS), Over-the-Air software updates, Over-the-Air cellular module update from FW
 Diagnostic 	One CLICK report – current configuration / factory identification / system log / kernel log / reboot log / routing table, Remote diagnostics possible via SSH
 Status 	Network Status, DHCP Status, IPSec Status, Statistics history for last 60 days
 Log Controlling and diagnostic Event Engine 	System Log, Reboot Log, Kernel Log
 Other 	IPv6 support
Ports, LED, Antennas	
 Up to 5x ETH ports SIM LED Indicators 3x ANT - ANT, DIV, GPS (no for LTE450 model) 	RJ45, 10/100 Mbps 2 Mini SIMs (2FF) (rear panel) PWR, DAT, WAN, ETH, SIM, USR, POE, INO, IN1, OUT SMA connectors
 Wi-Fi Antenna-*optional 	R-SMA connector

- USB
- SD Card RST

RESET button (rear panel) *Optional 3-port SWITCH 3x RJ45, 10/100 Mbps

*Optional ETH - R232 - RS485 RJ45, 4-pin terminal block, 3-pin terminal block connectors – Isolation up to 2.5 kV

1x Micro SD Card slot (rear panel)

USB Host connector 2.0

Optional RS232 - RS485 5-pin terminal block, 4-pin terminal block connectors – Isolation up to 2.5 kV *Optional RS232 RJ45

Specifications

Power

10 ~ 60 Vpc (2-Way Molex connector) Power Supply Power Consumption Idle: 2.5 W Average: 4 W Peak: 11 W Sleep Mode: 10mW **Environmental** Operating: -40 to +75 °C

Temperature Range

- Humidity
 - Cold Start **Ingress Protection**
- WI-FI 802.11 A/B/G/N, AP or Client modes
- Supported Wi-Fi band
- Encryption
- 5 GHz supported channels 2.4 GHz supported channels
- Number of clients Authentication
 - Open, Shared, WPA-PSK, WPA2-PSK

Storage: -40 to +85 °C

Storage (Non-condensing): 0 to 95 %

2.4 GHz, 5.4 GHz None, WEP, TKIP, AES - 36, 40, 44, 48, 52, 56, 60, 64, 149, 153, 157, 161, 165 - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

Operating: 0 to 95 %

-35 °Č

10

Rating IP30

Industry Certifications & Approvals

- ETSI EN 301 511 v9.0.2, ETSI EN 301 908-1 v5.2.1, ETSI EN 301 908-2 v5.2.1, ETSI EN 301 908-13 v5.2.1 Radio for general LTE Emissions/Immunity IEC 61000-6-2:2005, ETSI EN 301 489-1 v1.9.2, EN 55022:2010 EN 60950-1:06 ed.2 (not Hazardous Locations), Safety EN 62311:2008
- Vehicle RoHS, RoHS2, REACH, WEEE Environmental

Mechanical

- Plastic or metal case with plastic or metal DIN rail
- Enclosure Dimensions 87 x 30 x 127 mm (3.43 x 1.18 x 5) (150 mm including wall month sides)

Ì70 g

375 g

Weight Plastic

Weight Metal

Ordering Information SmartFlex without optional interfaces

- BB-SR30xxxx0xx BB-SR30xxxx1xx
- BB-SR30xxxx1xx .
- SmartFlex with 3xETH SmsrtFlex with RS232, RS485
- BB-SR30xxxx1xx SmartFlex with RS232, RS485, ETH

AD\ANTECH Industrial Ethernet Solutions

All product specifications are subject to change without notice.