



SD-Branch 1000

Branch LAN/WAN Connectivity with Remote Site Automation

Product Overview

The SD-Branch 1000 is a cloud-based SD-Branch device that provides connectivity and management for your branch office with integrated gigabit ethernet LAN/WAN ports, optional integrated WiFi and LTE connectivity and built-in Remote Site Automation. Tallac's SD-Branch solution delivers a new level of Remote Site Automation to branch offices delivering the skills of your best onsite IT tech via a low cost automated 24 X 7 remote cloud service – allowing you to avoid sending your IT tech onsite to resolve many common network problems. The Tallac SD-Branch solution provides increased uptime and business continuity for business critical applications, faster responsiveness, and increased management efficiency via a robust and low cost monthly cloud service. The Tallac SD-Branch 1000 is managed via the Tallac Cloud – a proven cloud-based solution that provides configuration, zero touch installation, and robust management and automation of your network within minutes.

Key Features and Benefits

Automated WAN Recovery

The SD-Branch 1000 will continuously monitor Internet connectivity and can initiate an automated power cycle of the internet modem to recover internet access when an interruption to internet service is detected. The automated routine will notify the administrator and can be configured for Retry attempts and wait time before each power cycle. WAN statistics and the ability to configure a LAN port to an additional WAN port also provide additional WAN capabilities and management visibility.

Automated Failover to LTE/4G

The SD-Branch 1000 is able to detect when the Normal Internet connection is not available and redirect specific virtual networks to a LTE/4G connection to provide continuity for important services such as point of sale systems and other business critical applications. The LTE connection also provides the ability to connect to the device even when the WAN/internet connection is down providing LTE out-of-band management connectivity to the branch office.

Automated Rules and Actions

The SD-Branch 1000 provides remote power control and remote power cycling and can be configured to initiate power cycles remotely on command, based on activities or events, or at a specific time that can be repeated on a regularly scheduled cycle. Remote power reboots can provide improved responsiveness, uptime, and performance and reliability of the branch office network. With the SD-Branch 1000, it is also Easy to configure a schedule for when power is Available to provide improved branch office security. The SD-Branch 1000 also provides the ability to set customized rules and automated actions for Ping and HTTP tests for any port in addition to allowing easy customization of policies for test intervals, retries, and thresholds and alerts.

Discovery and Secure Access to Networked Devices

The SD-Branch 1000 and Tallac's SD-Branch Cloud management will discover all networked devices in the branch office and can perform a vulnerability scan for any device on the local network to identify open and possibly vulnerable application services. The cloud service also provides secure VPN access via a secure VPN connection to the LAN allowing access to the local network, web UI, and console of any type of networked devices such as printers, local storage, routers, and security devices.



A Power Switch

B DC IN

C Reset Button

D Console Port

E USB 2.0

F 4 x GbE RJ45

G 4 x Antenna Holes

H LED

Tallac SD-BRANCH is a simple, secure, cloud based solution designed to provide small to large organizations with branch locations an affordable way to deploy, and manage Wi-Fi and switch networks with remote site automation. Includes Zero Touch Provisioning for ease of deployment. The solution also provides remote monitoring and automated actions and secured communication between physical network devices and the Tallac SD- Branch Cloud through SSL and certificate validation.

The Tallac SD-BRANCH solution provides distinct secure LAN services for virtual & physical services supporting mobile users, guest, VoIP, security, IoT, networked devices & applications. Easily orchestrate automated policies across WiFi, wired Ethernet and Gateway providing intelligence in the cloud and automated action and policies to be implemented in the branch office.

Key Highlights:

- No physical presence needed onsite – Zero Touch Provisioning
- Automated WAN and Internet Recovery
- LAN and WAN Reporting and Statistics
- Remote Power Control and Automation
- Automated Rules and Actions for Ping and HTTP tests
- Discovery and Reporting of Connected Branch Office Devices
- Vulnerability Scans and Reporting
- Secure VPN Capabilities
- Optional integrated LTE and/or WiFi
- Managed by Tallac Cloud Management
- Fully Open APIs for easy Integration



Resolve common networking problems remotely – without having to send your IT tech onsite



SD-Branch 1000 Product Specifications

Physical Features

- Four 10/100/1000BASE-T Gigabit Ethernet (RJ-45) Ports, LAN/WAN configurable
- One RJ-45 console port
- Two USB 2.0 ports
- 1 X M.2 2242 (SATAIII) onboard slot
- 1 X Mini-PCIe (PCIe), 1 X M.2 3042 (PCIe/USB 2.0), 1 X Nano SIM slot
- Fanless quiet operation

Standards

- IEEE 802.3af Power over Ethernet (PoE), PoE injector not included
- IEEE 802.1Q VLAN
- IEEE 802.1P CoS
- IEEE 802.3 Ethernet
- IEEE 802.3u Fast Ethernet
- IEEE 802.3x Flow control
- IEEE 802.3at
- IEEE 802.3af

Security

- VPN
- HTTPS
- SSH

Gateway

- NAT
- DHCP
- Port Forwarding
- Friendly names

LTE/4G supported devices

Sierra Wireless M2M 4G LTE Module (Optional – Sold separately):
4G LTE Cat-6 M2M connectivity with 3G fallback
Regions: Americas/EMEA
Carriers: AT&T, Bell, Rogers, Southern LINC, Sprint, Telus, T-Mobile, US Cellular, Verizon, Vodafone
Regulatory: Anatel, FCC, GCF, IC, NCC, PTCRB

WiFi

Mini PCIe WiFi Kit (Optional – Sold separately)
Mini PCIe WiFi module provides integrated support for WiFi/5G cards
Kit includes Mini PCIe card, 2 X antennas, accessories

Regulatory Compliance

FCC Class A, CE, RoHS

System Dimensions

185 mm X 137 mm X 44 mm (W X D X H)
Weight: 1kg

Power

Input: AC 100-240V@50-60Hz
Type/Watts: 12V, 3A-36W Power Adapter

Environmental Specification

Temperature:
Standard Operating 0°C to 40°C
Non-Operating -20-70°C
Humidity:
Operating 5-90%
Non-Operating 5-95%

Warranty

3 years