



## WebConfig Package for VSC8051-based Lightly Managed Enterprise Switches

Best-in-class software development kit (SDK) for standalone enterprise network switches.

The WebConfig (VSC6811SDK) software development kit (SDK) is a turnkey, lightly managed L2 switch application designed to support SparX-III VSC8051-based lightly managed enterprise switches including the VSC7420, VSC7421, and VSC7422 switches.

The WebConfig package consists of only the source code. A Keil PK51 compiler and tools are needed to customize the software to support various port configurations and protocols.

The software uses a simple software architecture for optimal performance and cost-effective implementation. Tools are available for loading code to the embedded 8051 CPU.

Management is performed through a Web GUI or command line interface (CLI). The software package is integrated, with basic switch features such as Port types/speeds and VLAN, HW MAC learning.

### Highlights

- Lightly managed L2 switch application
- Web GUI and CLI interfaces

### Applications

- Standalone managed L2 switch for small enterprise networks
- Industrial Ethernet switch for rough environments

## VITESSE SparX-III-G25™ - 25 Port Gigabit Ethernet Switch

### Configuration

System  
Ports  
VLANs  
Aggregation  
IGMP Snooping  
Mirroring  
LLDP  
Quality of Service

### Monitoring

Statistics Overview  
Detailed Statistics  
IGMP Status  
VeriPHY  
LLDP Statistics  
LLDP Table  
Ping

### Maintenance

Warm Restart  
Factory Default  
Configuration File  
Transfer  
Logout

### System Configuration

MAC Address	00-01-c8-01-01-01
S/W Version	Luton25 3.06
H/W Version	1.0
Temperature	58 °C
Active IP Address	10.9.52.115
Active Subnet Mask	255.255.255.0
Active Gateway	10.9.52.200
DHCP Server	10.9.52.24
Lease Time Left	613198 secs

DHCP Enabled	<input checked="" type="checkbox"/>
Fallback IP Address	<input type="text" value="192.0.2.1"/>
Fallback Subnet Mask	<input type="text" value="255.255.255.0"/>
Fallback Gateway	<input type="text" value="0.0.0.0"/>
Management VLAN	<input type="text" value="1"/>
Name	<input type="text"/>
Password	<input type="password"/>
Inactivity Timeout (secs)	<input type="text" value="0"/>

## Port Control

- Autonegotiation or forced mode port speed/duplex mode/flow control
- Maximum ingress frame size (1518–9600 bytes)
- Port state (administrative status)
- Port status (link monitoring)
- Port VeriPHY™ cable diagnostics to locate cable shorts/opens and cable length

## QoS

- Port default priority
- DSCP

## L2 Switching

- Auto MAC address learning/ageing
- MAC addresses static (CLI only)
- 802.1Q
- Port-based VLANs
- Virtual LAN
- Private VLAN static (CLI only)
- Loop guard (CLI only)
- Link aggregation static
- IGMPv2 snooping
- Per port independently configurable ingress and egress port mirroring (CLI only)

## Power Savings

- EEE power management

## Management

- DHCP client
- HTTP server for switch management using Web browser
- Ping/trace route
- HTTP software download
- CLI–console port for switch management using RS232 connection

## Related Vitesse Products

Visit [www.vitesse.com](http://www.vitesse.com) for information about these related Vitesse products:

- VSC7420
- VSC7421
- VSC7422

