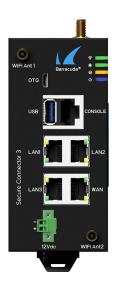# SC3 Revision A

https://campus.barracuda.com/doc/98223611/

SC3 Top View

SC3 Front View

Default Port Configuration

Port Label	OS Notation	Speed/Type	Notes
WAN	eth1	10/100/1000 MBit RJ45	(Management Port)
LAN1	eth0	10/100/1000 MBit RJ45	
LAN2	eth3	10/100/1000 MBit RJ45	

LAN3	eth4	10/100/1000 MBit RJ45	
OTG	-	Storage	

Hardware Specifications

Warranty and Safety Instructions

Opening your Barracuda Networks appliance or removing its warranty label unless instructed to do so by Barracuda Networks support will void your warranty and hardware support. Barracuda Networks Appliance Safety Instructions

The Secure Connector hardware appliances ship with a Quick Start Guide. Follow this guide to connect to your appliance. To protect your network, follow the instructions for the standard deployment.

Do not operate the appliance simultaneously with both 12V DC and Power over Ethernet (PoE) as parallel power sources. Barracuda Networks recommends to disable PoE if 12V DC is connected.

Power Supply is not included in packaging and needs to be ordered separately (BNGFSCAPSUa / BNGIFSCAPSUa)

To prevent damage, connect the DC plug to the appliance before plugging the power adapter into the AC outlet.

SC3 model	SC30	SC31	SC34	SC35
1x 1GbE WAN (PoE recipient)	Yes	Yes	Yes	Yes
3x 1GbE LAN (switch)	Yes	Yes	Yes	Yes
USB 2.0	Yes	Yes	Yes	Yes
USB OTG	Yes	Yes	Yes	Yes
Wi-Fi (AP or client mode)	No	Yes	No	Yes
3G/UMTS	No	No	Yes	Yes
4G/LTE global	No	No	Yes	Yes
DIN rail mount	Yes	Yes	Yes	Yes
Wall mount	Yes	Yes	Yes	Yes
Metal Case (Magnetic mount)	Yes	Yes	Yes	Yes

Support for Modem M40/M41/M42	Yes	Yes	No	No

Interface	
WAN RJ45 Ethernet NICs	1 x 1 GbE WAN (PoE+ recipient)
LAN RJ45 Ethernet NICs	3 x 1 GbE LAN switch
USB 2.0	1
Micro-USB OTG	1
Wi-Fi 2.4GHz	-
Supported Cellular Networks	
GSM	-
UMTS	-
Memory	
RAM [GB]	2
Mass Storage	
Type	Micro SD
Size on-board [GB]	8
Size micro SD [GB]	16
Size, Weight, Dimensions	
Appliance weight [kg/lbs]	1.1 / 2.42
Carton weight with appliance [kg/lbs]	1.17 / 2.57
Appliance size: width x depth x height [in]	2.5 x 4.9 x 5.8
Appliance size: width x depth x height [mm]	63 x 125 x 148
Carton size: width x depth x height [in]	4.53 x 11.02 x 13.98
Carton size: width x depth x height [mm]	115 x 280 x 355
Form factor	Compact, Din rail
Hardware	
Cooling	No fan
Environmental	
Noise emission [db/A]	n.a.
Operating temperature [°C/°F]	-4 to +158 / -20 to +70
Storage temperature [°C°F]	-4 to +158 / -20 to +70
Operating humidity (non-condensing)	5% to 95%
MTBF (system)	
MTBF [yrs.]	> 5
Certifications & Compliance	
CE emissions	Yes
CE electrical safety	Yes

FCC Class A	Yes
Power & Efficiency	
Aux DC in voltage range (2 pin MC420 3.5mm)	12V - 57V
WAN Port PoE+ Voltage range	37V - 54V
Compatible PoE+ provider (PSE)	IEEE 802.3at (Type 2) PD
DO NOT USE 12V DC AND PoE ON WAN PORT AT THE SAME TIME	
Power Supply (optional)	
Power supply	Single, external
Power supply type	External
Power supply input voltage	100 - 240 V, AC
Power supply frequency [Hz]	50 - 60
Power supply output voltage	12V, DC
Wattage / max. power draw [W]	60
Max. power draw [Amps]	2.5
Max. heat dissipation [W]	60
Max. heat dissipation [BTU]	205
Energy efficiency [average]	> 83%
Packaging Content	
Appliance	Yes
Straight network cable	Yes
USB Type A to MicroUSB cable	Yes
External power supply	Optional
Quick start guide	Yes
1x Din rail bracket	Yes
1x two pin power connector	Yes
2x Wi-Fi antenna	SC31, SC35
2x Cellular antenna with 1.5m cable	SC30, SC34

The hardware specifications list was valid at the time this manual was published. The listed components are subject to change at any time, as Barracuda Networks may change hardware components due to technological advancements. Therefore, the list may not reflect the current hardware configuration of the Barracuda Networks appliance it was delivered with.

Status LEDs

Your appliance is equipped with a variety of LEDs. The table below shows the different glowing states.

Color	Status	Meaning installation
All LEDs Off	Off	Appliance is powered off or installation has not initialized far enough for LED control when installation is started.
Power LED front side (blue)	Steady	Appliance is plugged in an powered on.
VPN LED front side (green)	Steady	Appliance has VPN connection to CloudGen Access Controller.
WAN LED front side (orange)	Steady	Appliance has a connection to the Internet.
WWAN (cellular) (yellow)	Blinking	Appliance has a connection to provider. Only for models with WWAN module.
PSU LEDs - (green)	Steady	PSU modules connected, power supply unit is up and running.

Wi-Fi (AP or Client mode):

Specification	SC31 / SC35
Integrated Wi-Fi (IEEE 802.11b/g/n)	2.4GHz (2412MHz-2462MHz)
Certificates	FCC, CE, RED

4G/LTE

Specification	SC34 / SC35
Frequencies (MHz)	• GSM 850/900/1800/1900 • UMTS 850/900/1900/2100 • LTE 800/850/900/1800/2100/2600
WCDMA/HSDPA/HSUPA Power Class	GSM/GPRS (GMSK) Power Class • Power Class 4 (33 dBm) for GSM/E-GSM bands • Power Class 1 (30 dBm) for DCS/PCS bands EDGE (8-PSK) Power Class • Power Class E2 (27 dBm) for GSM/E-GSM bands • Power Class E2 (26 dBm) for DCS/PCS bands WCDMA/HSDPA/HSUPA Power Class • Power Class 3 (24 dBm) for UMTS/HSDPA/HSUPA mode LTE Power Class • Power Class 3 (23 dBm) for LTE mode
Data Rate	LTE cat.4, HSUPA cat.6, HSDPA cat.14, GPRS class12, EDGE class126
SIM Interface	3VDC 6 pin
Certificates	FCC, CE, RED

Figures

1. SC3.0_top.png
2. SC3.0_front.png