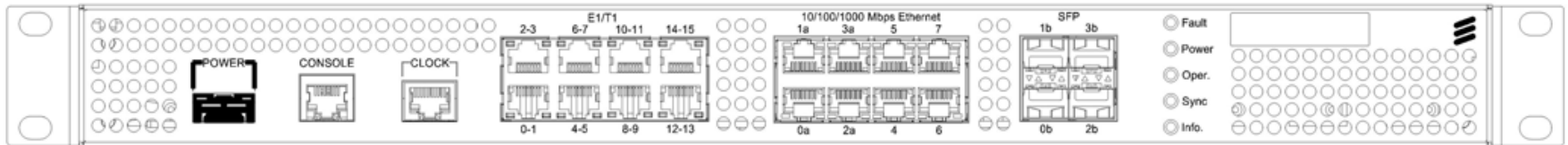


SIU02/TCU02 Tx Test

IP test to BSC/OSS

SIU02 HW-Ethernet Ports



- › Hay ocho posiciones Ethernet 10/100/1000 Mbps numeradas del 0 al 7.
- › Conector: RJ-45.
- › Los conectores marcados 0a, 1a, 2a, y 3a están conectados a la correspondiente SFP (marcado 0b, 1b, 2b y 3b).
- › Para MIC se usa el 0a o 0b como puerto GW
- › El puerto 4 para

TCU02 HW-Ethernet Ports



HW TCU 02 – GA Dec 2011

Large volumes (Nx100K)

Capacity optimized for MSR

Integrated in all RBS 6000
(slot 31mm wide & 300mm high)

- No FAN
 - 8 E1/T1 ports
 - 4 Ethernet 100/1000 Base-T ports
 - 4 Ethernet 100/1000 SFP ports
 - One clock ports
- Oscillator



4 RJ45 Ethernet ports

- › **4 SPF Ethernet ports**
- › Multipurpose use:
Connected to 4 of the RJ45 ports, the configuration decides which one use.

IP Test



- › En ambos equipos se maneja la misma plataforma de comandos.
- › Se ejecuta cuatro pruebas sencillas tomando como referencia
 - IP OSS
 - IP O&M DGW
 - IP PGW_BSC
 - IP ABIS DGW

IP test



Site	Site Name	BS	Rf	VLAN Traffic (GS)	Network Traffic (GS)	RAN VIP (GS)	GW (GSM)	BSC PGW	VLAN O&M (GS)	Network O&M (GS)	OM VIP (GS)	GW (GSM)
QUI	Quior	SCZ2	SCZ1	250	172.27.216.40/30	172.27.216.41	172.27.216.42	172.27.252.67	550	172.27.226.40/30	172.27.226.41	172.27.226.42
SMR	Samaria	SCZ2	SCZ1	250	172.27.216.60/30	172.27.216.61	172.27.216.62	172.27.252.67	550	172.27.226.60/30	172.27.226.61	172.27.226.62
CUM	Cumavi	SCZ2	SCZ1	250	172.27.216.68/30	172.27.216.69	172.27.216.70	172.27.252.67	550	172.27.226.68/30	172.27.226.69	172.27.226.70
CUP	Cupesi	SCZ2	N/A	251	172.27.219.176/30	172.27.219.177	172.27.219.178	172.27.252.67	549	172.27.229.176/30	172.27.229.177	172.27.229.178
ARY	Av. Arroyito	SCZ2	N/A	251	172.27.219.164/30	172.27.219.165	172.27.219.166	172.27.252.67	549	172.27.229.164/30	172.27.229.165	172.27.229.166

Las direcciones IP de O&M y ABIS pertenecen distintas VLAN.

Las pruebas a ser ejecutas deben ser dentro de la correspondiente VLAN

IP test



- › ping -c n -s x -I <IP origen> -q <IP destino>
- › n = cantidad de ping
- › X = tamaño del paquete enviado
- › IP origen = direccion dentro de la VLAN correspondiente
 - ABIS VLAN
 - O&M VLAN
- › IP destino = direccion dentro de la VLAN correspondiente
 - ABIS VLAN = BSC PGW
 - O&M VLAN = OSS

IP test



Site	Site Name	BS	Rt	VLAN Traffic (GS)	Network Traffic (GS)	RAN VIP (GS)	GW (GSM)	BSC PGW	VLAN O&M (GS)	Network O&M (GS)	OM VIP (GS)	GW (GSM)
QUI	Quior	SCZ2	SCZ1	250	172.27.216.40/30	172.27.216.41	172.27.216.42	172.27.252.67	550	172.27.226.40/30	172.27.226.41	172.27.226.42
SMR	Samaria	SCZ2	SCZ1	250	172.27.216.60/30	172.27.216.61	172.27.216.62	172.27.252.67	550	172.27.226.60/30	172.27.226.61	172.27.226.62
CUM	Cumavi	SCZ2	SCZ1	250	172.27.216.68/30	172.27.216.69	172.27.216.70	172.27.252.67	550	172.27.226.68/30	172.27.226.69	172.27.226.70
CUP	Cupesi	SCZ2	N/A	251	172.27.219.176/30	172.27.219.177	172.27.219.178	172.27.252.67	549	172.27.229.176/30	172.27.229.177	172.27.229.178
ARY	Av. Arroyito	SCZ2	N/A	251	172.27.219.164/30	172.27.219.165	172.27.219.166	172.27.252.67	549	172.27.229.164/30	172.27.229.165	172.27.229.166

› Sitio Quior

› Ping O&M GW

– ping -c 5 -s 1450 -I 172.27.226.41 -q 172.27.226.42

› Ping al oss

– ping -c 5 -s 1450 -I 172.27.226.41 -q 172.27.227.186

IP test



Site	Site Name	BS	Rt	VLAN Traffic (GS)	Network Traffic (GS)	RAN VIP (GS)	GW (GSM)	BSC PGW	VLAN O&M (GS)	Network O&M (GS)	OM VIP (GS)	GW (GSM)
QUI	Quior	SCZ2	SCZ1	250	172.27.216.40/30	172.27.216.41	172.27.216.42	172.27.252.67	550	172.27.226.40/30	172.27.226.41	172.27.226.42
SMR	Samaria	SCZ2	SCZ1	250	172.27.216.60/30	172.27.216.61	172.27.216.62	172.27.252.67	550	172.27.226.60/30	172.27.226.61	172.27.226.62
CUM	Cumavi	SCZ2	SCZ1	250	172.27.216.68/30	172.27.216.69	172.27.216.70	172.27.252.67	550	172.27.226.68/30	172.27.226.69	172.27.226.70
CUP	Cupesi	SCZ2	N/A	251	172.27.219.176/30	172.27.219.177	172.27.219.178	172.27.252.67	549	172.27.229.176/30	172.27.229.177	172.27.229.178
ARY	Av. Arroyito	SCZ2	N/A	251	172.27.219.164/30	172.27.219.165	172.27.219.166	172.27.252.67	549	172.27.229.164/30	172.27.229.165	172.27.229.166

› Sitio Quior

› Ping ABIS GW

– ping -c 5 -s 1450 -I 172.27.216.41 -q 172.27.216.42

› Ping al BSC PGW

– ping -c 5 -s 1450 -I 172.27.216.41 -q 172.27.252.67



ERICSSON