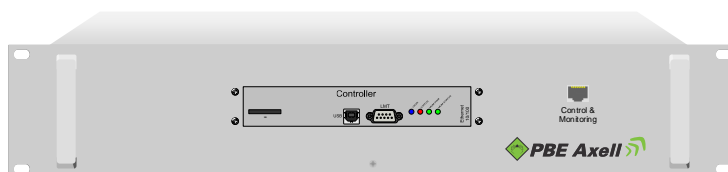


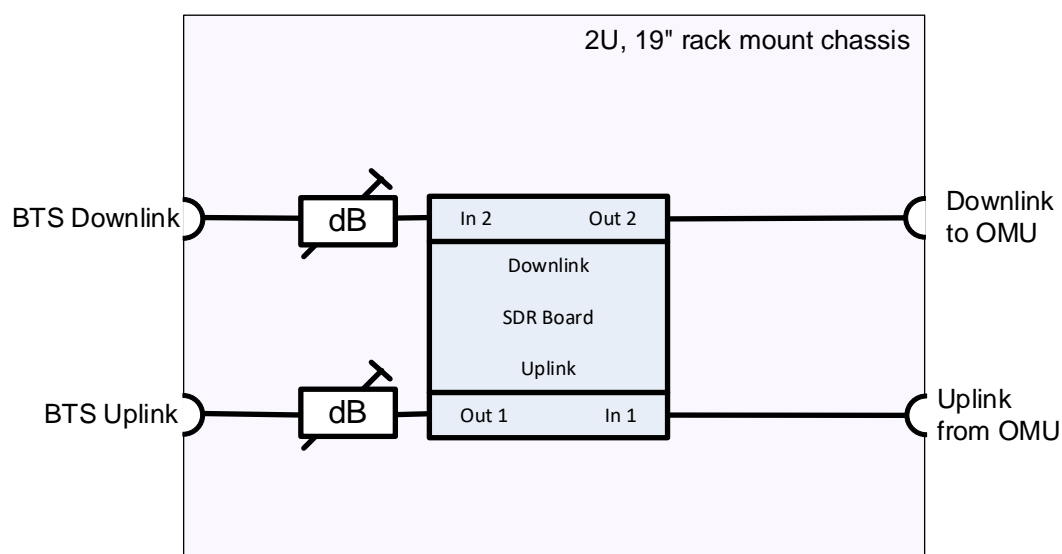
OMU to BTS squelch interface

Key features

- Compact 2U, 19" rack mount case.
- Squelch functionality implementation UL & DL between BTS & OMU
- Easy gain & squelch setting via web GUI
- Band selective or channel selective options



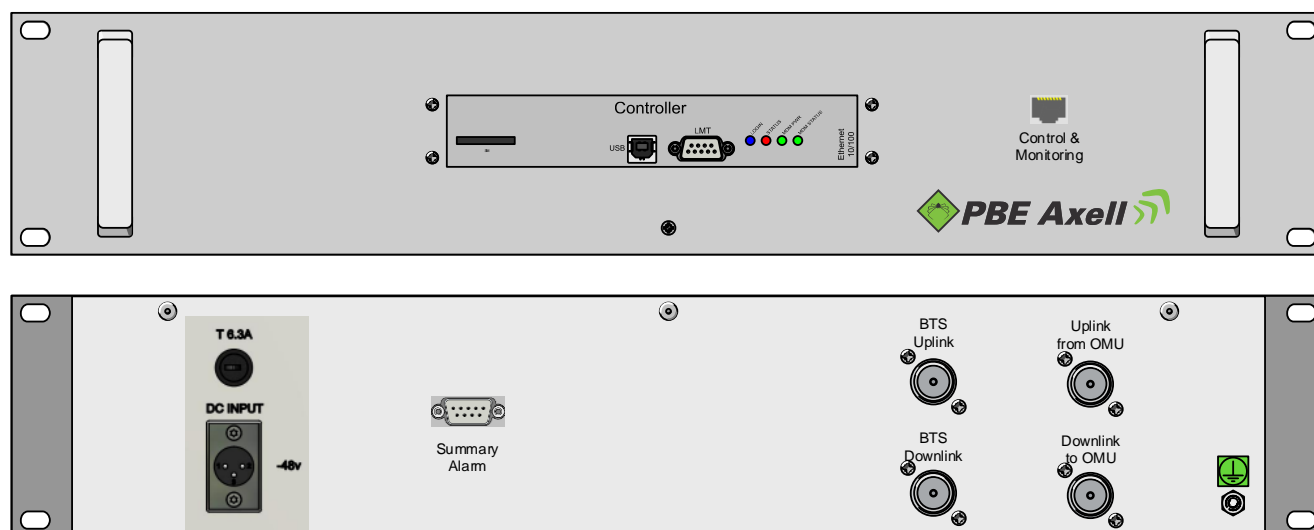
The Squelch interface sits between the OMU2 and Basestation to suppress the desensitisation of the optical fibre DAS :



System diagram, BTS to OMU squelch interface

Technical specification

Downlink & Uplink RF Specification	
Frequency range	330 MHz to 520 MHz
Bandwidth	Up to 7MHz
Gain	0-30dB in 1 dB steps
Digital Filter options	TETRA mode: 60 kHz (high selectivity), 90 kHz (low delay) NBFM mode: 30 kHz 8pole (high selectivity), 30 kHz 4pole (low delay) Bandselect: 100 kHz to 5 MHz in 25 kHz steps
Squelch setting	Uplink : -70dBm to -130dBm
General Specification	
Case Size	2U, 19" rack mount, 300 mm deep
Case Material	Aluminium Alloy (2mm)
Chassis Finish	Iridite NCP
Fascia Finish	Light Grey RAL7035 Semi-gloss
RF Connectors	N female
Operational Temperature Range	-25°C to +55°C
Storage Temperature Range	-40°C to +70°C
Humidity	95% RHNC
Electrical Specification	
Power supply	48v DC (floating)
Power consumption	<30W
Control , monitoring & Alarms	
Control & monitoring	Ethernet RJ45 / Serial RS232
Summary Alarm	Volt free contact - 9 Way D Type



Front and Rear panels