

BA-4000 now with 800G FEC Generator and Checker (FGC)

The BA-4000 extends its 800G capabilities beyond testing 53GBd PRBS Pattern in Layer 1 with a new option **FEC Generator and Checker (FGC)**. This addresses the RS-FEC Scrambled Idle Pattern for testing 53 GBd PAM4 Device in the development of new-gen 800G optics based on 8x106.25G (e.g., optical transceivers, TOSA, ROSA).



Implementation of RS-FEC Scrambled Idle Pattern complies the ETC* 800G standard for testing 53 GBd PAM4 (106.25 Gbit/s) lanes.

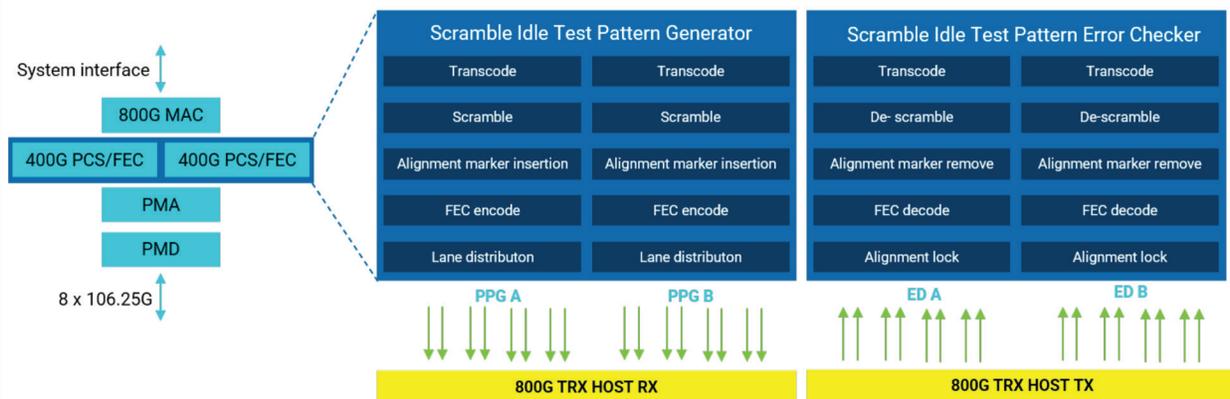


Figure 1. 800G function flow structure

RS-FEC Scrambled Idle Pattern involves assessment of new metrics, such as Corrected Codewords, Uncorrected Codeword Ratio, Frame Loss Ratio (FLR) and Total Codewords.

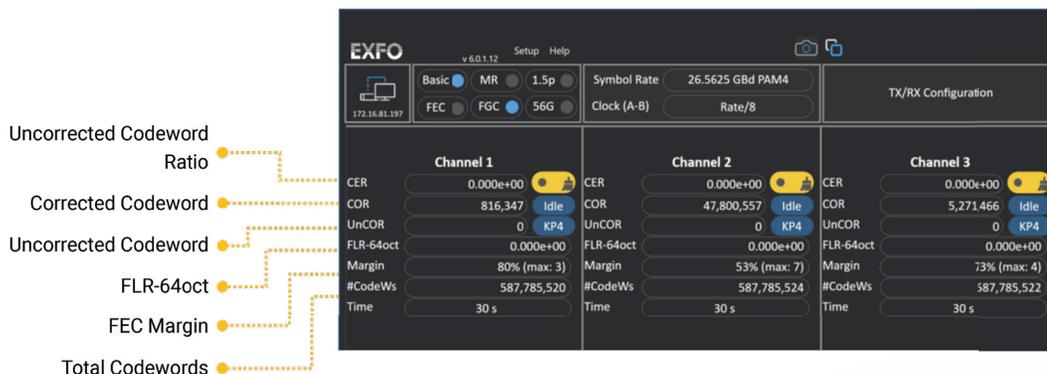


Figure 2. FEC encoded scramble idle results in the BA-4000 GUI

For more details, contact your EXFO representative.

* Ethernet Technology Consortium

