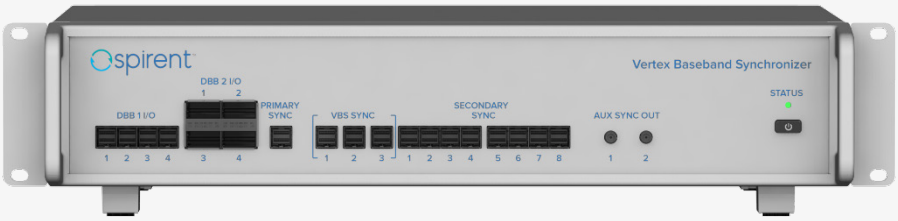
# Vertex® Baseband Synchronizer

The Spirent Vertex® Baseband Synchronizer (VBS) enables users to interconnect up to eight Vertex channel emulators to support higher density connection setups (such as 64x4 and 64x8 bidirectional) for MIMO beamforming and other 5G applications. It provides a digital interface between Vertex and third-party communications test equipment and facilitates the distribution of high-speed digital data along with critical clocks and synchronization signals within a Vertex system.

The VBS is typically installed in a rack with Vertex channel emulators and other equipment.




| Specifications | | |
|---|---|---|
| **Interface** | **Bandwidth per Port (maximum)** | **Interface Type** |
| DBB 1 I/O duplex | 50 Gbps | Differential CML |
| DBB 2 I/O duplex | 50 Gbps | Differential CML |
| DBB 3 I/O simplex input | 80 Gbps | Differential CML |
| DBB 3 I/O simplex output | 80 Gbps | Differential CML |
| DBB 4 I/O simplex input | 80 Gbps | Differential CML |
| DBB 4 I/O simplex output | 80 Gbps | Differential CML |
| **Environment Characteristics** | | |
| **Power Requirements** | | |
| Voltage | 100-240 VAC ±10% (auto sensing) | |
| Overvoltage | Category II | |
| Pollution | Degree 2 | |
| Frequency | 50-60 Hz | |
| Power | | |
| 110 VAC | 1.38A, 140 Watts (Max) | |
| 220 VAC | 0.69A, 140 Watts (Max) | |
| Fuse Type | 2A, 250 VAC, 5x20mm, Time Lag | |
| Number of Fuses | 2 | |
| **Operating Environment** | | |
| Temperature | 0° to 40°C | |
| Humidity | 10% to 90%, non-condensing | |
| Altitude | <2000m | |
| Indoor Use Only | | |
| **Dimensions and Weight** | | |
| Height (including feet) | 10 cm | |
| Width | 43 cm | |
| Depth (including handles) | 46 cm | |
| Weight | 7.5 kg | |