

## PARTNERSHIP

To deliver high precision solution, Bodet has signed a partnership with Spectracom, a world leading company in high precision timing solutions for communications equipment and networks

<http://www.spectracom.com>

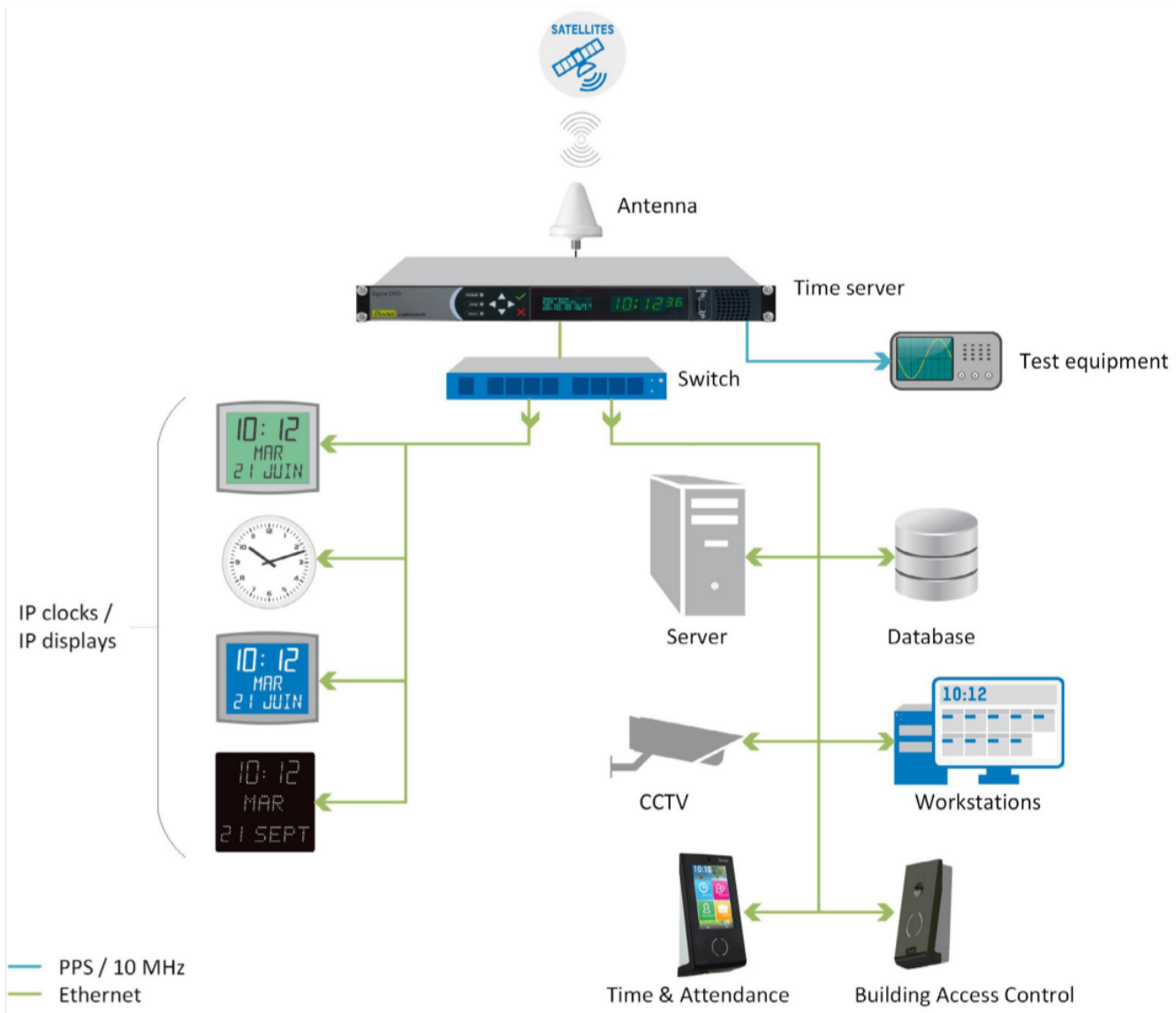


## PRESENTATION

Sigma OXO combines precision master clock technology and secure network approach with a compact modular hardware design to bring a powerful high precision time reference system:

- Internal high precision time keeping via TCXO quartz or OCXO quartz oscillator.
- Multiple, prioritised input time references.
- Modular design supporting a wide variety of input/output signals (with up to 6 input/output modules).
- Secure network management: enable or disable protocols for encryption, authentication, authorisation and accounting.
- Alarms notifications via SNMP Traps and e-mail.

## DIAGRAM



Ref.: 643031 E 02/16

## MODELS

|  | SIGMA OXO<br>TCXO QUARTZ VERSION                                | SIGMA OXO<br>OCXO QUARTZ VERSION               |
|--|---|--|
| Accuracy (average over 24 hours when GPS locked).....              | 1x10 <sup>-11</sup>   | 2x10 <sup>-12</sup>                            |
| Medium Term Stability (without GPS after 2 weeks of GPS lock)..... | 1x10 <sup>-8</sup> /day   | 5x10 <sup>-10</sup> /day                       |
| Temperature stability (peak to peak).....                          | 1x10 <sup>6</sup>   | 5x10 <sup>9</sup>                              |
| Input.....   | 1x GPS  |  |
| Output.....  | 1xEthernet, 1xPPS - 1x10MHz frequency, 6 slots for option cards |  |
| PPS output: accuracy to UTC (Sigma locked to GPS).....             | 50 ns   | ±25 ns   |
| Holdover (constant temp after 2 weeks of GPS lock).....            | After 4 hours: 12 µs<br>After 24 hours: 450 µs                  | After 4 hours: 0.5 µs<br>After 24 hours: 10 µs |
| Alarm.....   | Via SNMP Traps and e-mail.                                      |  |

## MECHANICAL FEATURES

|                                  |   |
|----------------------------------|---|
| Construction.....                | Shockproof metal casing for 19" - 1u rack |
| Operating temperature range..... | -20°C to +65°C                            |
| Protection index.....            | IP41                                      |
| Weight.....                      | 2.72 kg                                   |
| Dimensions.....                  | 364 x 364 x 44 mm                         |



## ELECTRICAL FEATURES

|                   |   |
|-------------------|---|
| Power supply..... | 100-240 VAC, 50/60 Hz ±10% with ventilation |
|-------------------|---|

## COMMUNICATIONS

|                              |   |
|------------------------------|---|
| Network port.....            | RJ45, 10/100-baseT  |
| Serial Set-up Interface..... | RS232 communications on DB-9 connector  |
| Front panel.....             | LED segments displays time<br>Lockable keypad and configurable LCD display for network set-up |