

OSA 5548C SSU-E200

200 OUTPUTS



The New Scalable SSU from Oscilloquartz

It's a Synchronization Supply Unit (SSU) ! ...and also:

- Primary Reference Source with its 2 redundant GPS receivers cards
- Primary Reference Clock associated to an external GPS receiver, Cesium or Maser clock
- Test Equipment with its Performance Measurement System

Highlights

Simple:

The same basic design for three functions:

- E200 (same modules as E60)
- Expansion shelf (200 or 60 outputs)

Universal:

Two sub-rack builds:

- ETSI sub-rack with front connectors (E200: 12U)
- 19" sub-rack with rear connectors (E200: 6U)

Compact:

- 200 protected outputs in 6/12U

Scalable:

Seamless scalability from 20 to 1000 outputs with the same architecture

Versatile:

Re-timing and time distribution can be added by simply fitting the relevant cards

Redundant:

Cards can be protected 1:1 (Hot plugin)

Flexible:

high degree of modularity allows to tailor the configuration to the needs of each customer. Remotely upgradeable.

The leading partner for your
synchronisation needs



OSCILLOQUARTZ
SWATCH GROUP ELECTRONIC SYSTEMS

Applications :

- SDH/SONET synchronization:
 - ✓ GPS or Cesium-based Primary Reference Clock (PRC) System
 - ✓ Synchronisation Supply Unit (SSU)
 - ✓ GPS-based time distribution system
- Mobile network synchronization
 - ✓ PRC for Mobile Switching Centers (MSC)
 - ✓ Re-timer for Base Station Controllers (BSC)
 - ✓ GPS-based time distribution system

Main Functionalities

- Input reference selection
- Jitter Attenuation
- Holdover/Freerun mode
- Signal distribution
- Pass-through
- Performance measurement
- Redundancy and protection (1:1)



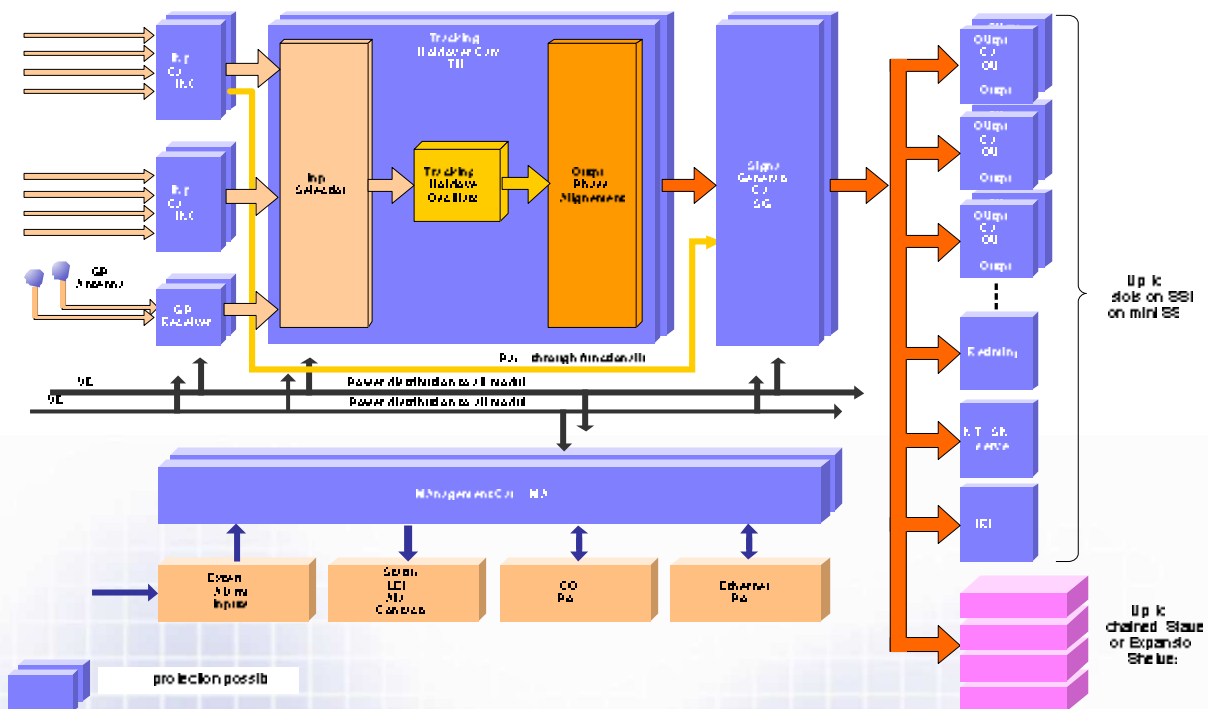
Simplified Maintenance

- Universal Card types:
 - ✓ One kind of INput Card (INC)
 - ✓ One kind of OUtput Card (OUC)
- When inserting a card the system automatically:
 - ✓ Indicates if an Upgrade is required
 - ✓ Configures with the redundant Card's Parameters
- System and Card Firmware are upgradeable Remotely and Locally

INC Card Configuration

- Input Group can be configured as:
 - ✓ 1 Input Card (INC A) unprotected inputs
 or
 - ✓ 2 Input Cards (INC A and B) protected inputs

OSA 5548C SSU Block Diagram



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Oscilloquartz SA reserves the right to change all specifications contained herein at any time without prior notice.

