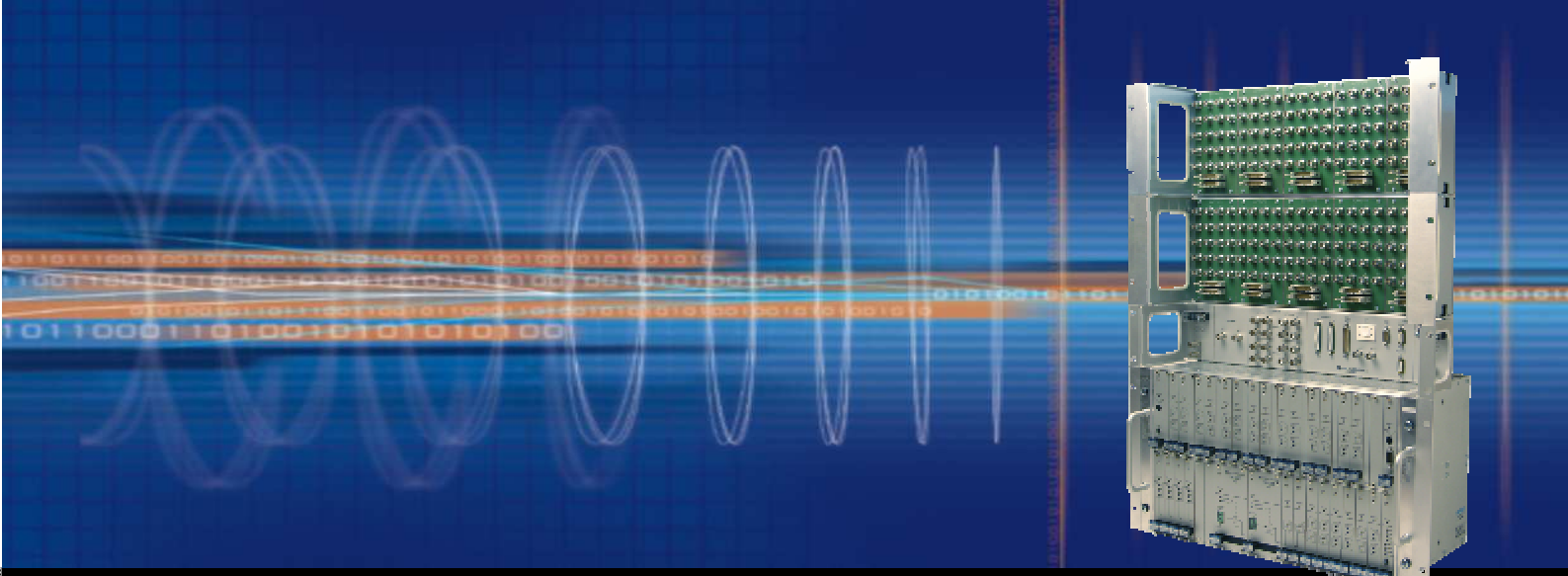


OSA 5548C SSU-E200

200 OUTPUTS

NGN NEXT-GENERATION NETWORKS ready

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

OSA 5548C SSU-E200

The New Scalable SSU from Oscilloquartz

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**

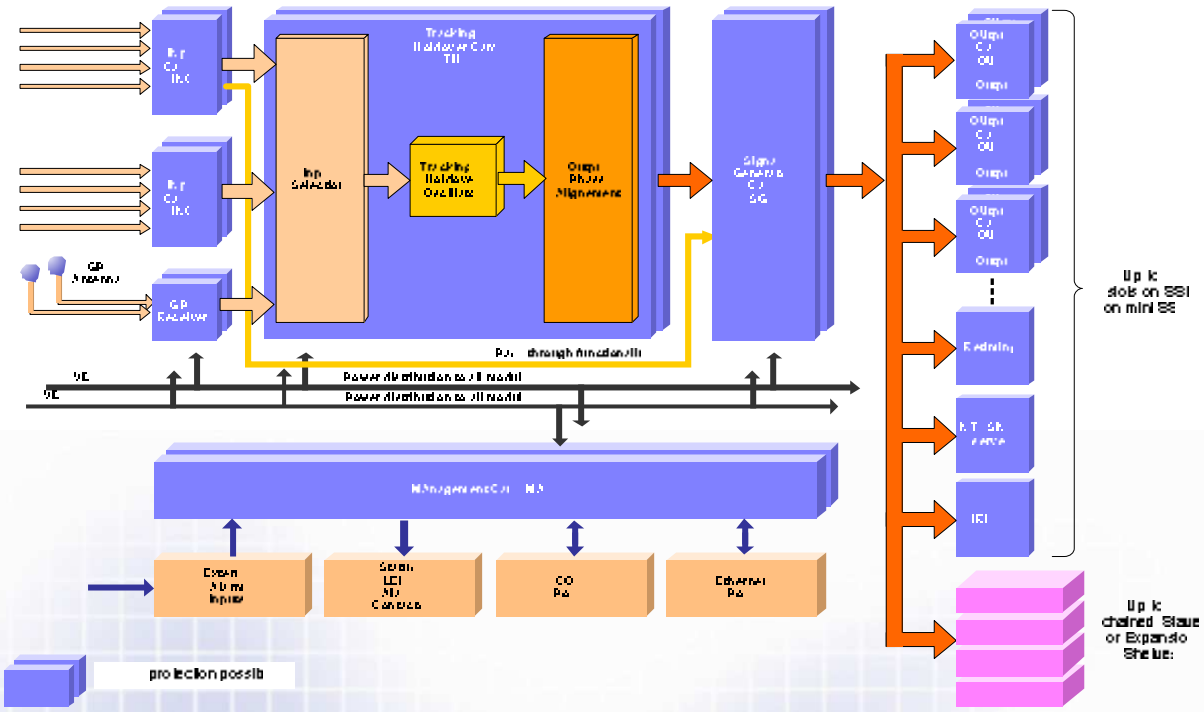
INC Card Configuration

- 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



Edition 02/Nov. 2006/ORIS

www.oscilloquartz.com

Oscilloquartz S.A.-Rue des Brévards 16—2002 Neuchâtel—Switzerland
tel. +41(0)32 722 55 55—fax +41(0)32 722 55 56—osa@oscilloquartz.com