

We are exceptional grid stability PDC600 and SMT600 – Wide Area Monitoring System enabler



PDC600 is a Phasor Data Concentrator that is compliant with the IEEE Standard C37.118.1-2011 for Synchrophasor Measurements for Power Systems and IEEE Standard C37.118.2-2011 for Synchrophasor Data Transfer for Power Systems. PDC600 also fulfils the requirements of the IEEE C37.244 Guide for Phasor Data Concentrator Requirements for Power System Protection, Control, and Monitoring, which describes performance, functional, and communication needs of phasor data concentrators for power system protection, control, and monitoring applications.

Features

PDC600

Phasor Data Concentrator

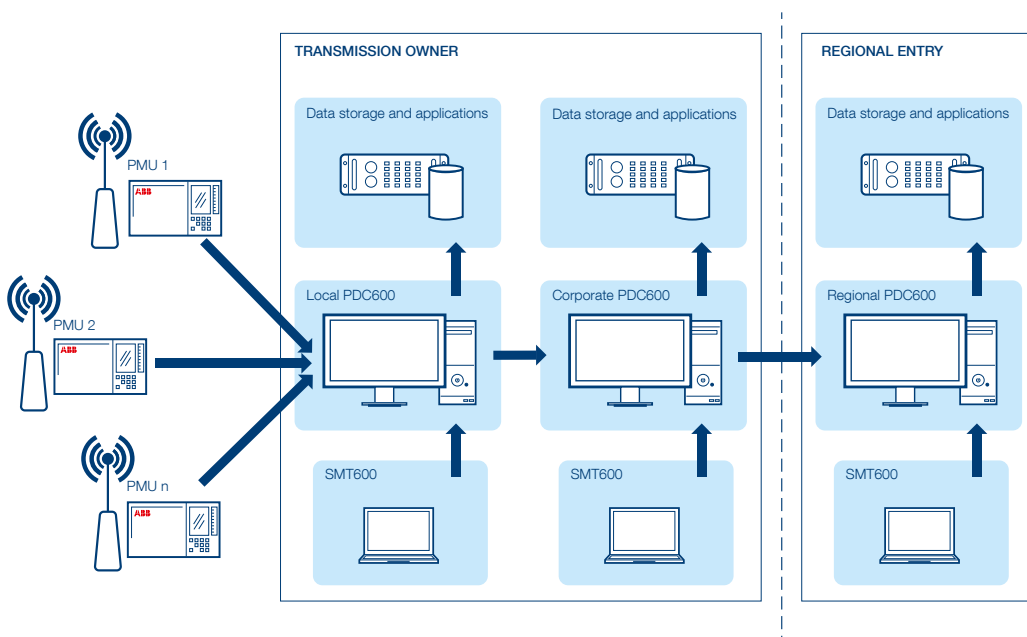
- Data Aggregation
- Data Forwarding
- Data communications
- Data validation
- Synchrophasor data transfer protocol support
- Data format conversion
- Synchrophasor data latency calculation
- Reporting rate conversion
- Configuration
- Phase and magnitude adjustment
- Performance monitoring
- Redundant data handling
- Duplicate data handling
- Cyber security

SMT600

Synchrophasor Management Tool

- Defining and validating the PDC configuration
- PMU/PDC configuration scanning
- Monitoring of Health Status
- Data Statistics
 - Data latency
 - Quality Monitoring
 - Processing Time
 - Late/duplicated frames count
- PDC logs view

Universal and flexible, PDC600 provides a high-performance wide area phasor data concentrator and computing platform. PDC600 supports a wide range of phasor measurement units and meets today's redundancy concepts.



System hardware requirements:

System size*	Low (up to 10 PMUs)	Medium (10-100 PMUs)	High (over 100 PMUs)
CPU	>=2 GHz Dual Core	>=3 GHz Multi Core	>=3,5 Ghz Multi Core
Memory	4 GB RAM	8 GB RAM	16 GB RAM
Storage	HDD 7200rpm	Hybrid HDD SSD 7200rpm	RAID
Ethernet	1 Adapter 100-1000Mb	>=2 Adapters 100-1000Mb	>=2 Adapters 100-1000Mb

*System requirements depends on PMUs configuration

PDC supported operating systems:

Operating system	Version
Microsoft Windows 7 Professional 32-bit or 64-bit	SP1
Microsoft Windows Server 2008	R2
Microsoft Windows Server 2012	R2
Microsoft Windows 8.0 32-bit or 64-bit	
Microsoft Windows 8.1 32-bit or 64-bit	

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