

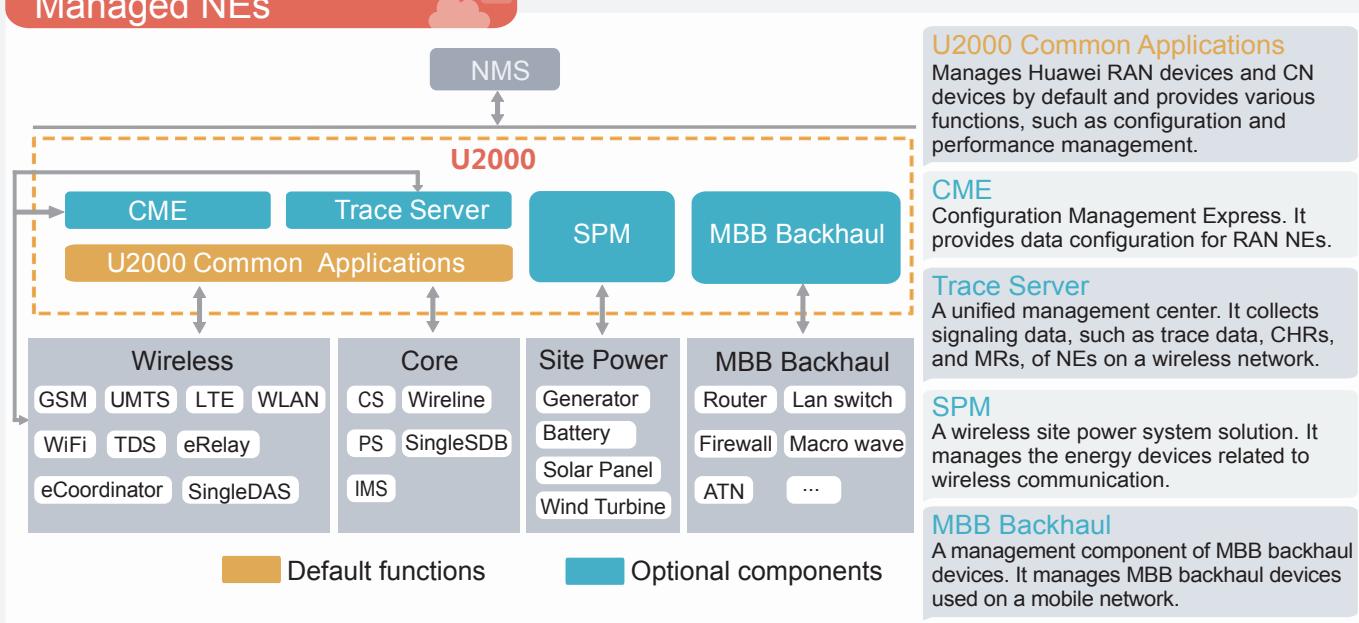
U2000 Overview

iManager U2000 MBB Network Management System

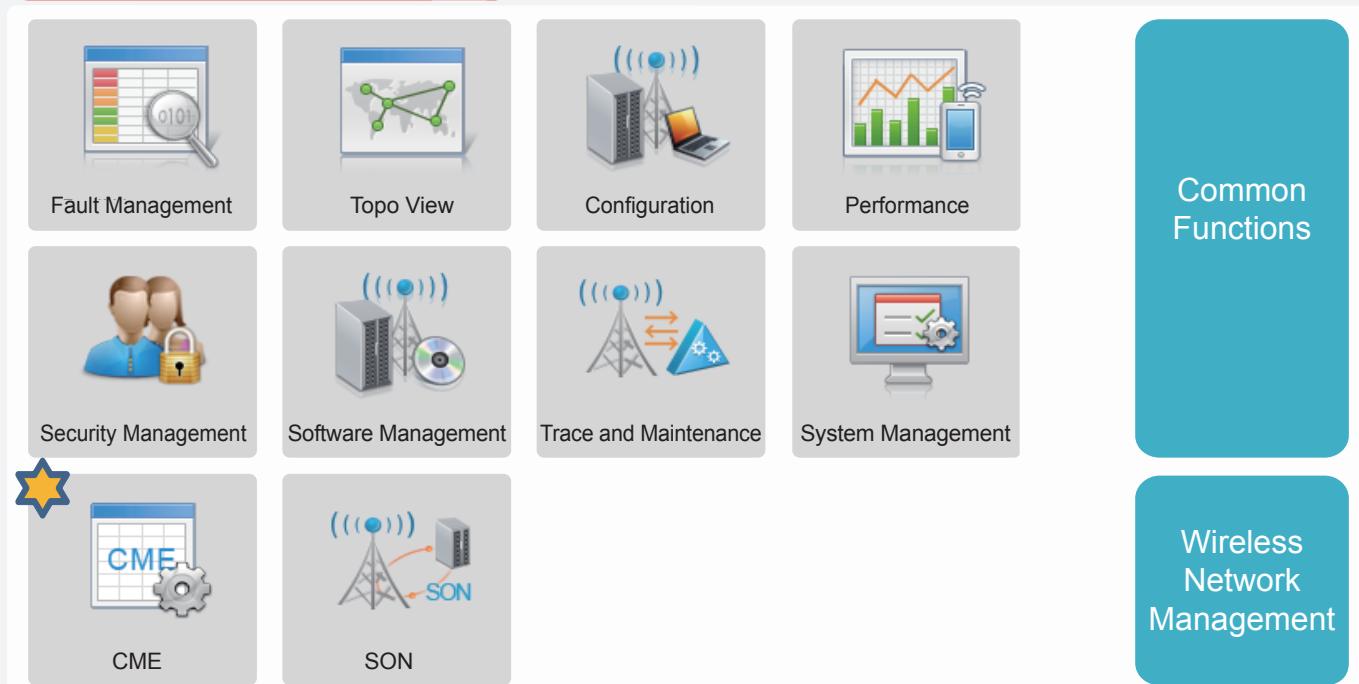


01 Introduction

Managed NEs



Available Functions (1)

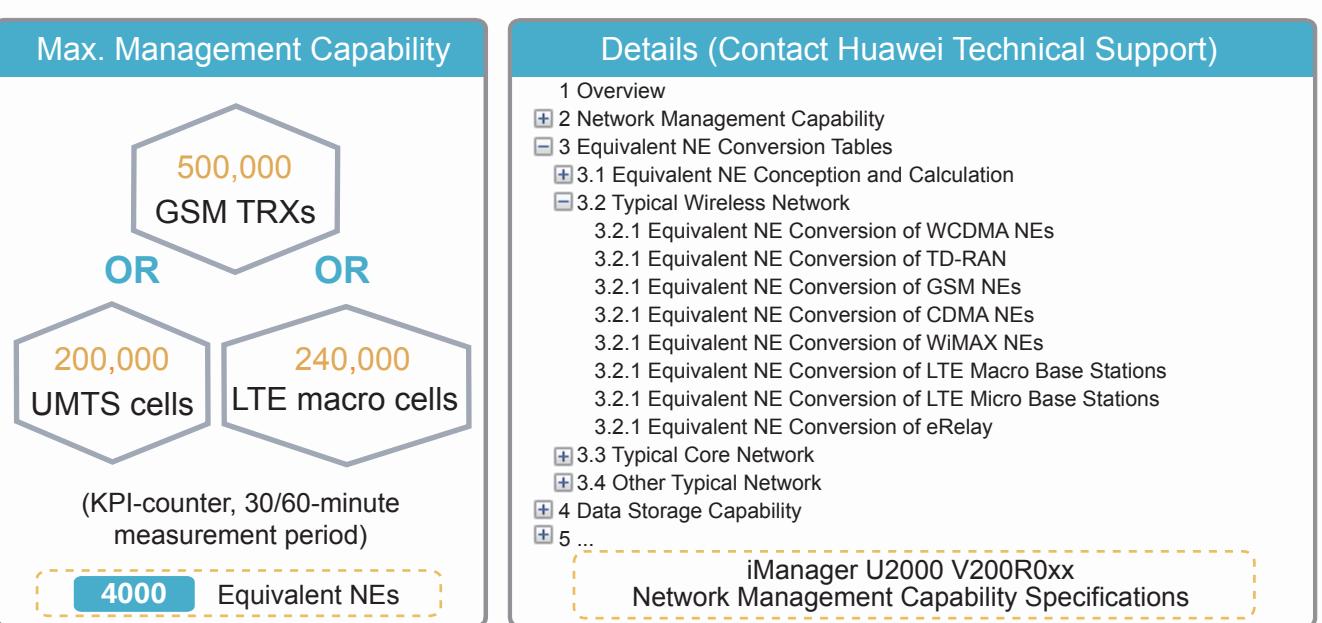


Available Functions (2)

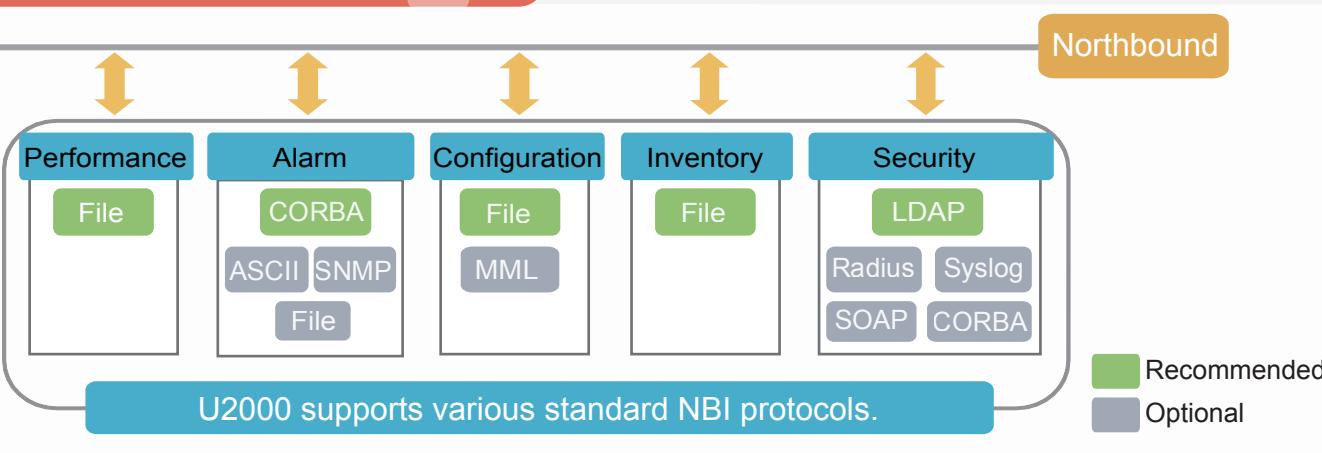


Functions marked with are not provided by default.
Optional components need to be installed to support these functions.

Management Capability



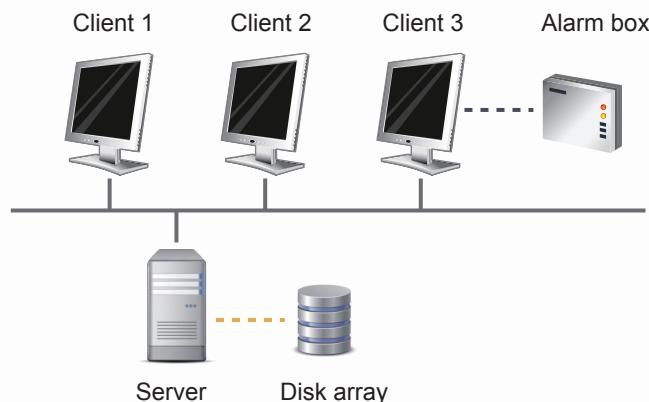
NBI



02 Product Architecture

Basic Architecture

Client Operation



Server Maintenance

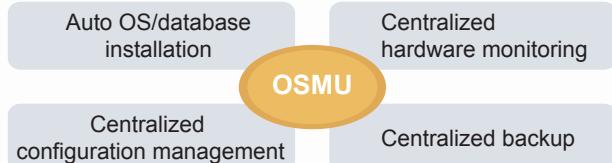


Web access →



OSMU

Centralized hardware/OS/database alarm monitoring on OSMU



Centralized Management:

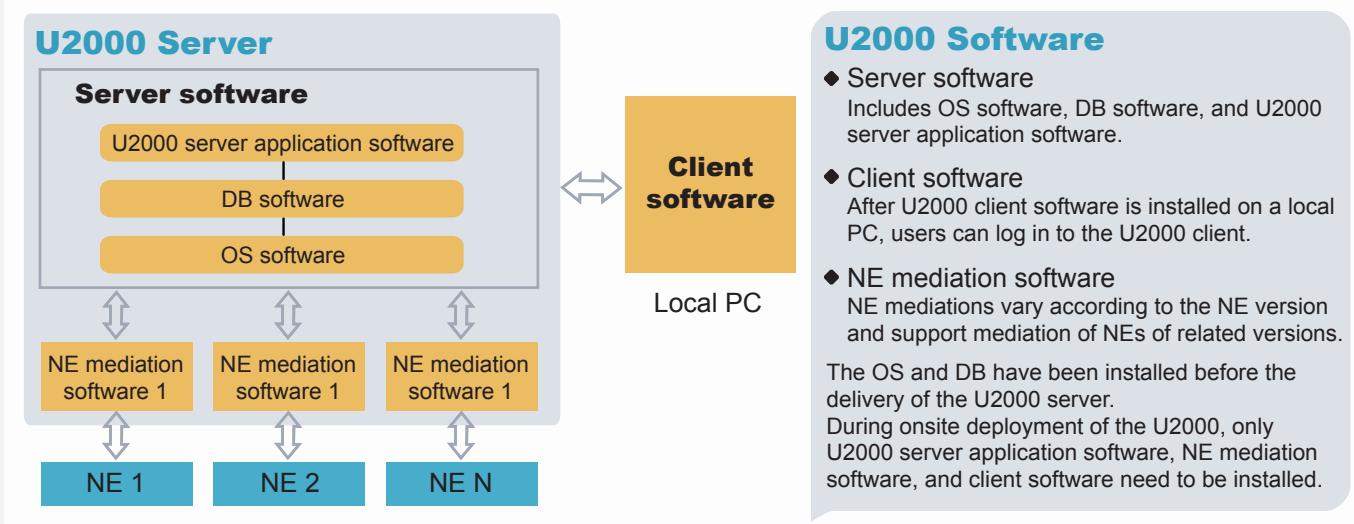
- ◆ ATAE cabinet/subrack
- ◆ ATAE board
- ◆ Disk array
- ◆ Power and fan



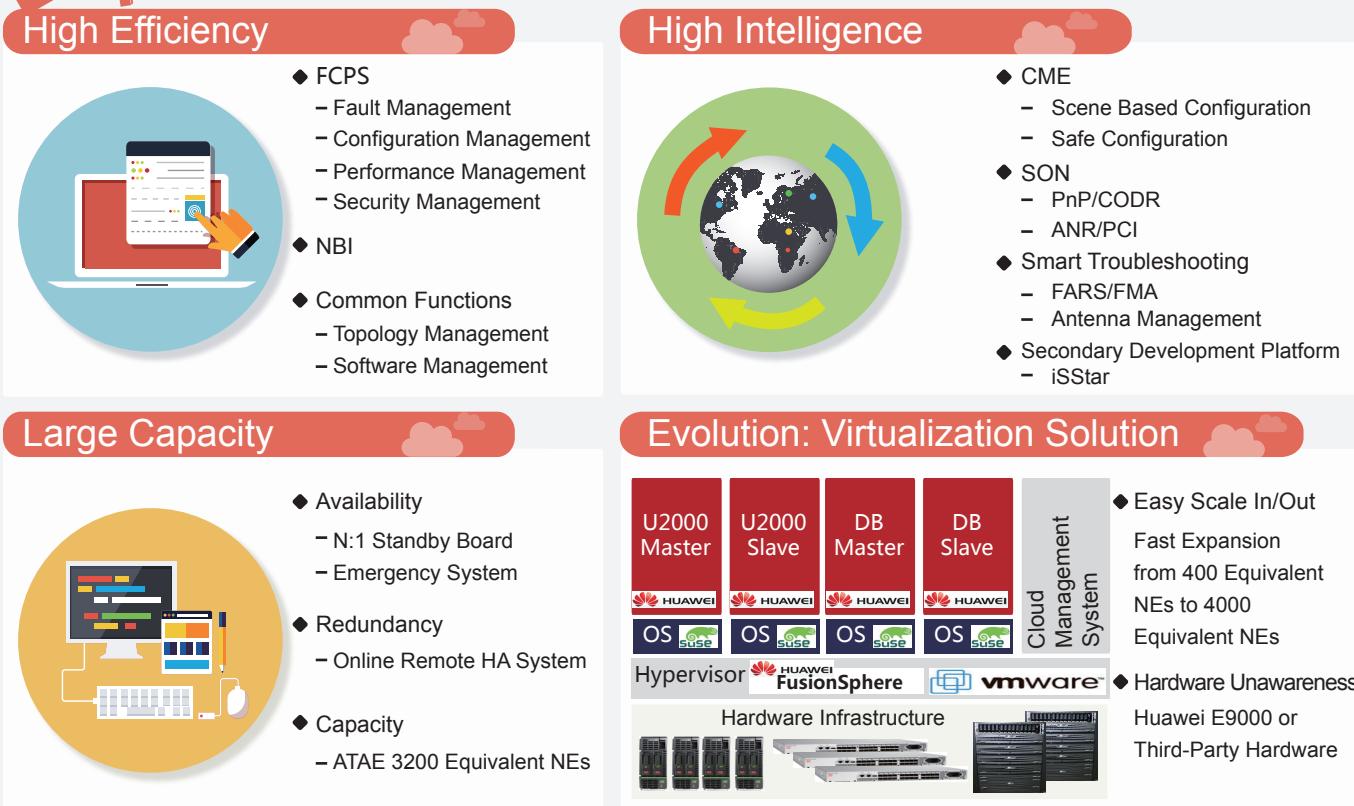
Hardware Introduction

U2000 Server		Application Scenario
ATAE Cluster		<p>Huawei-developed server. It has been the mainstream delivery since 2013.</p> <p>It can centrally manage a large-scale network and allows for centralized deployment of the U2000 (including the Trace Server) and PRS.</p>
COTS + Virtualization Software	Hardware: Huawei E9000 or COTS hardware prepared by customers Virtualization software: Huawei FusionSphere or VMware vSphere	New solution in V200R016. It allows Huawei wireless OSS products to be deployed on the virtualization platform and to use virtual resources provided by the universal x86 hardware platform and CloudOS.
SUN	SUN M4000/M5000	Sun servers using the Oracle database were no longer delivered since 2013. The U2000 deployed on the existing Sun servers on live networks can be maintained and upgraded to the latest version.
PC Server	HP DL580 G7/DL 980 G7	HP servers are used to independently deploy the U2000 optional component Trace Server.
	Huawei RH5885, IBM X3850/X3650	It is a low-cost solution. The U2000 can be deployed on these servers when it manages only core network IMS NEs, wireless network eRelay NEs, and SingleDAS NEs.

Software Architecture



03 Product Characteristics



Glossary:	ANR	Automatic Neighbor Relation	FARS	Fault Assistant Resolved Solution	PC	Personal Computer
	ATAE	Advanced Telecommunications Application Environment	FMA	Fault Management Assistance	PCI	Physical Cell Identifier
	CME	Configuration Management Express	IMS	IP Multimedia Subsystem	PnP	Plug and Play
	CODR	Cell Outage Detection and Recovery	iSStar	Integration Script Star	PRS	Performance Surveillance
	COTS	Commercial Off-the-Shelf	OSMU	OSS Self-Maintenance Unit	SON	Self-Organizing Network
	DB	Database	OSS	Operations Support System	SPM	Site Power Management



Wireless Network
Information Center



Tech Support

