



Smart Education Solution

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LEADING NEW ICT

Future-Oriented Education Concept — from Formalism to Personalization Education



Formalism Education

Stereotyped
teaching subjects

Education is run under the mode
of industrialized operations.
Students' learning and growing
results are the same.

vs.



Personalization Education

Innovative
sprouts

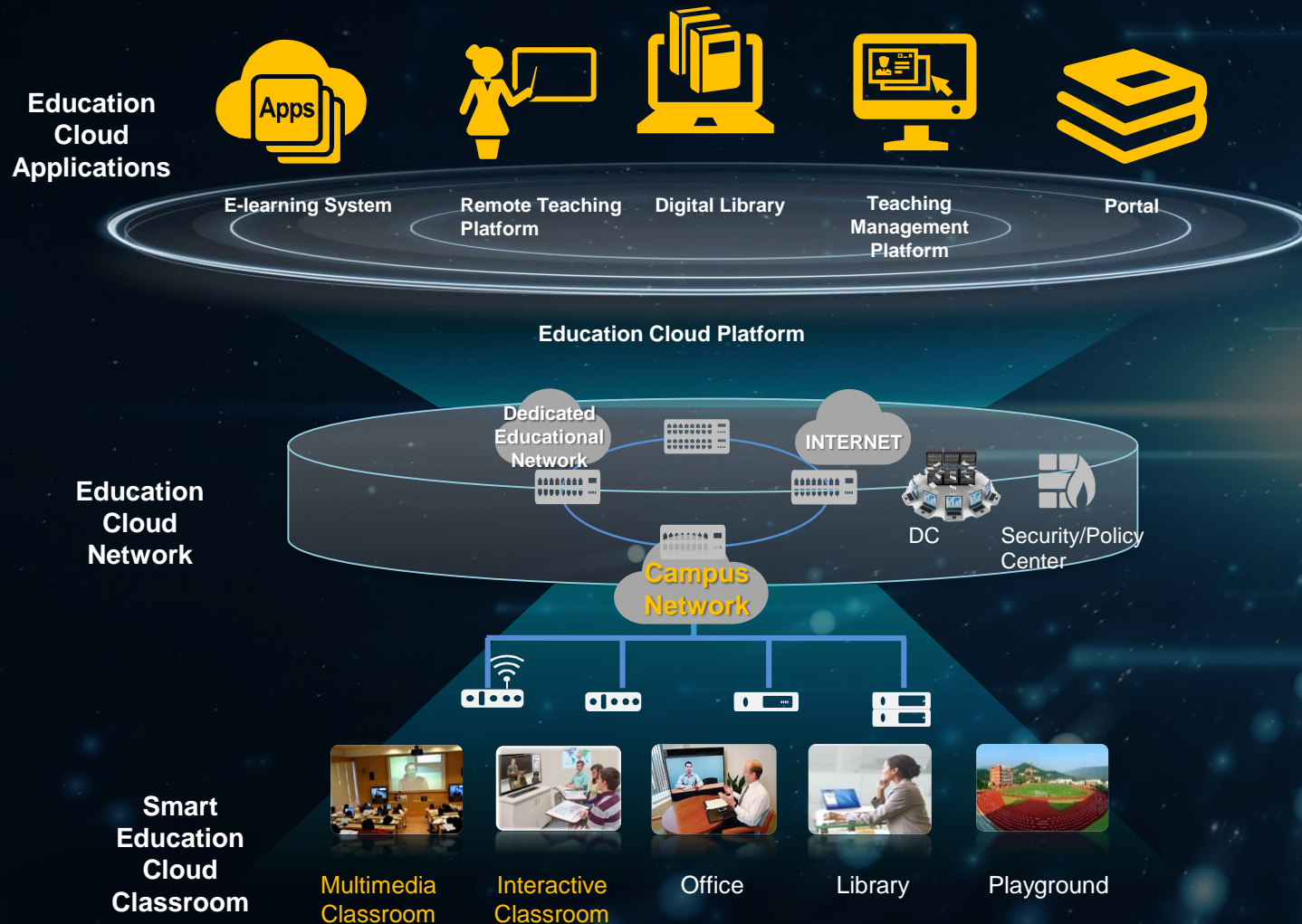
Every student is not the same.
They are unique individuals
with different needs and desires.

Personalization education (progressive education)
advocates student-centered courses with the life as the content,
and teaching methods of solving problems, which weakens the
authority consciousness of teachers, puts emphasis on the
cooperative spirit of schools and realizes individualized teaching.

ICT Promotes the Development of Personalization Education



Huawei Education Cloud Solutions — Innovative Education Models, Enrich Learning Methods, Refined Education Management



Unlimited sharing: education cloud applications

- future-oriented, cutting-edge experience
- Ubiquitous access, eliminates information silos
- Actively learning anytime and anywhere

Promote fairness: education cloud network

- Implement interconnection with different schools downwards and interconnection with higher-level education management institutions upwards
- Different services are used with the VPN tunnel for security transmission to implement security isolation.

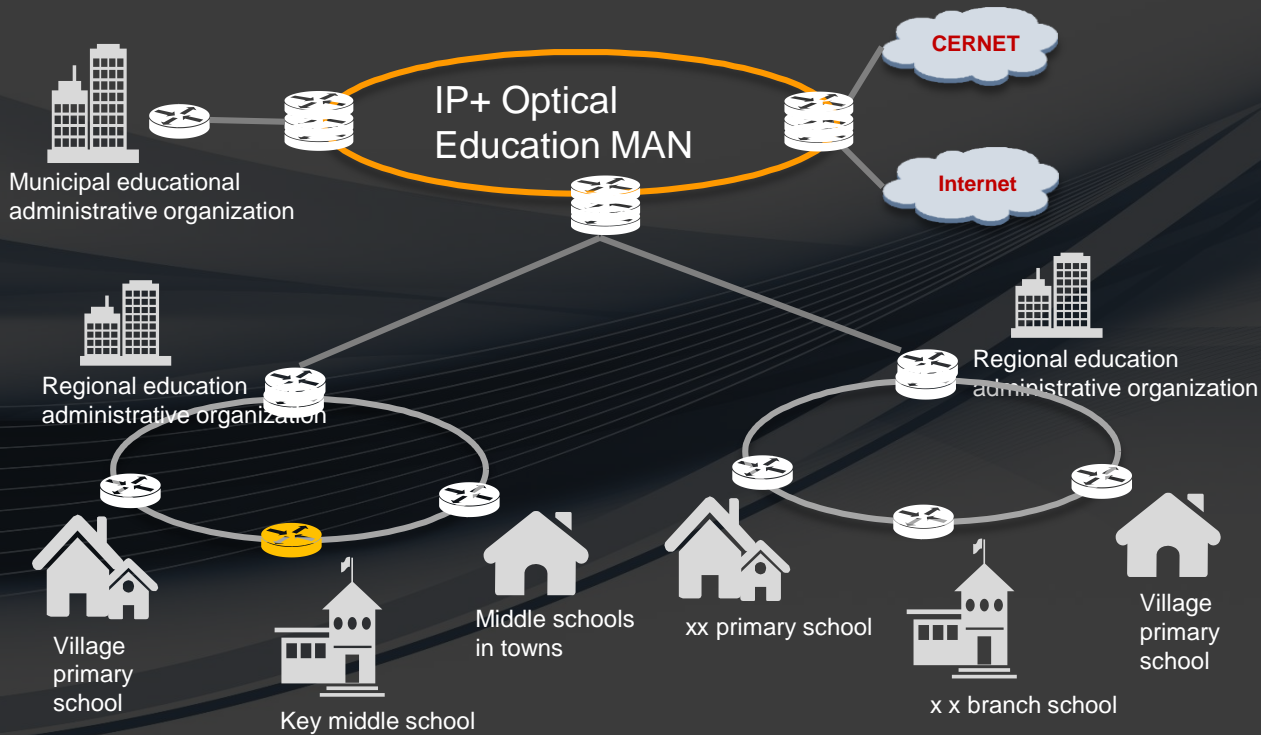
Free learning: education cloud classroom

- Improve the study and management efficiency
- Achieve high-quality resource sharing

Online Learning Platform



Education MAN — Interconnection between Schools



High-speed core network

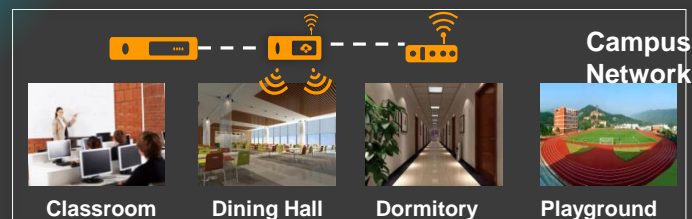
Two-layer-based network structure enables reliable interconnection with education administrative organizations
The VPN multi-service bearing ensures service quality

High reliable MAN

Fast convergence of hardware BFD in 200ms enables education applications uninterrupted
3G network backup for access to the network at any time

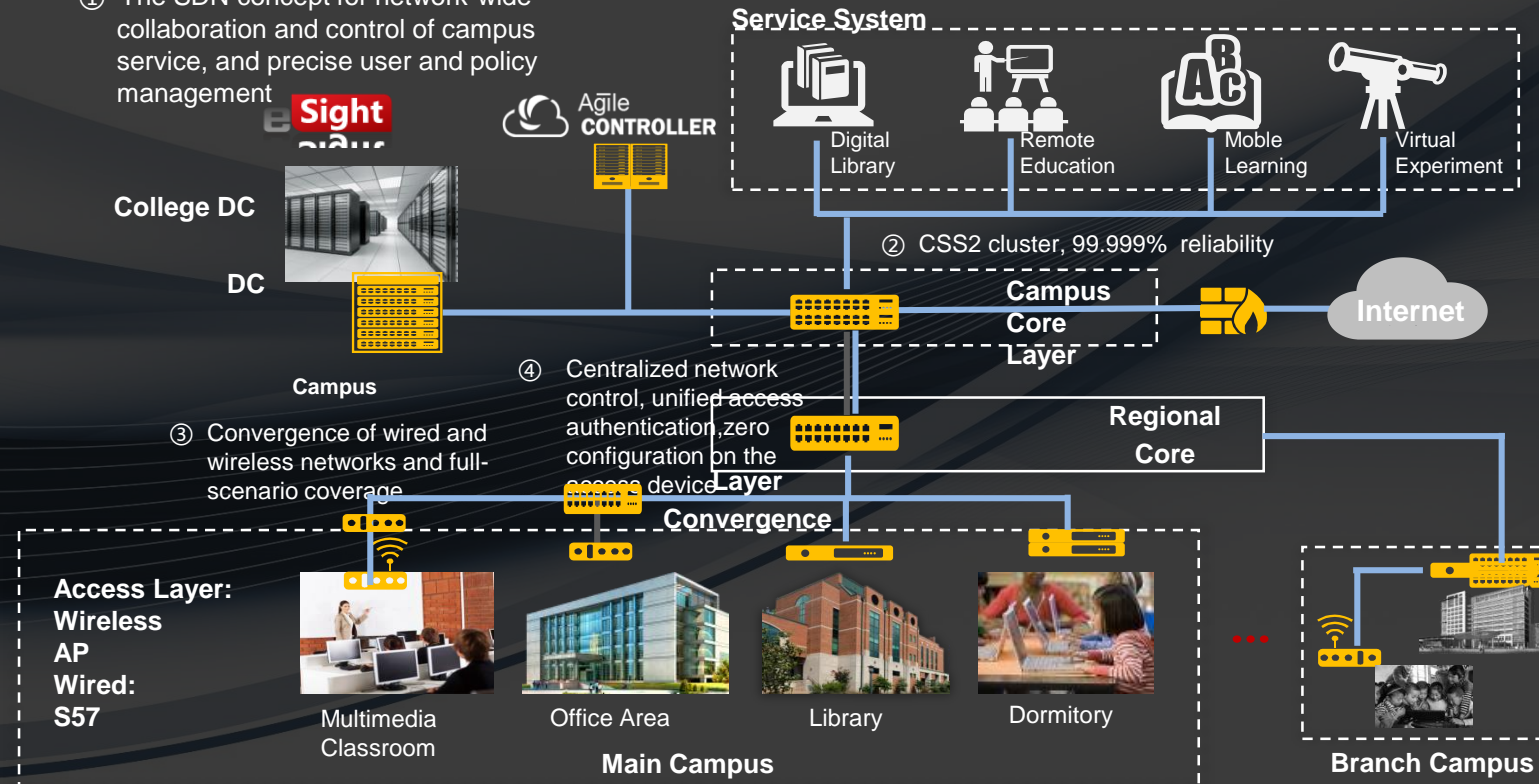
High-quality access network

The MPLS VPN multicast scheme ensures the service quality of educational videos
Five-level QoS scheduling ensures school teaching services first



Agile Campus Network

- ① The SDN concept for network-wide collaboration and control of campus service, and precise user and policy management



Access to the network anytime anywhere

- High-performance wireless network coverage for campus, increasing the covering area by 20% and reducing hardware investment

Teaching services integration

- integrated wired and wireless network
- Open service interfaces and unlimited expansion of education cloud service

Simplifying network management

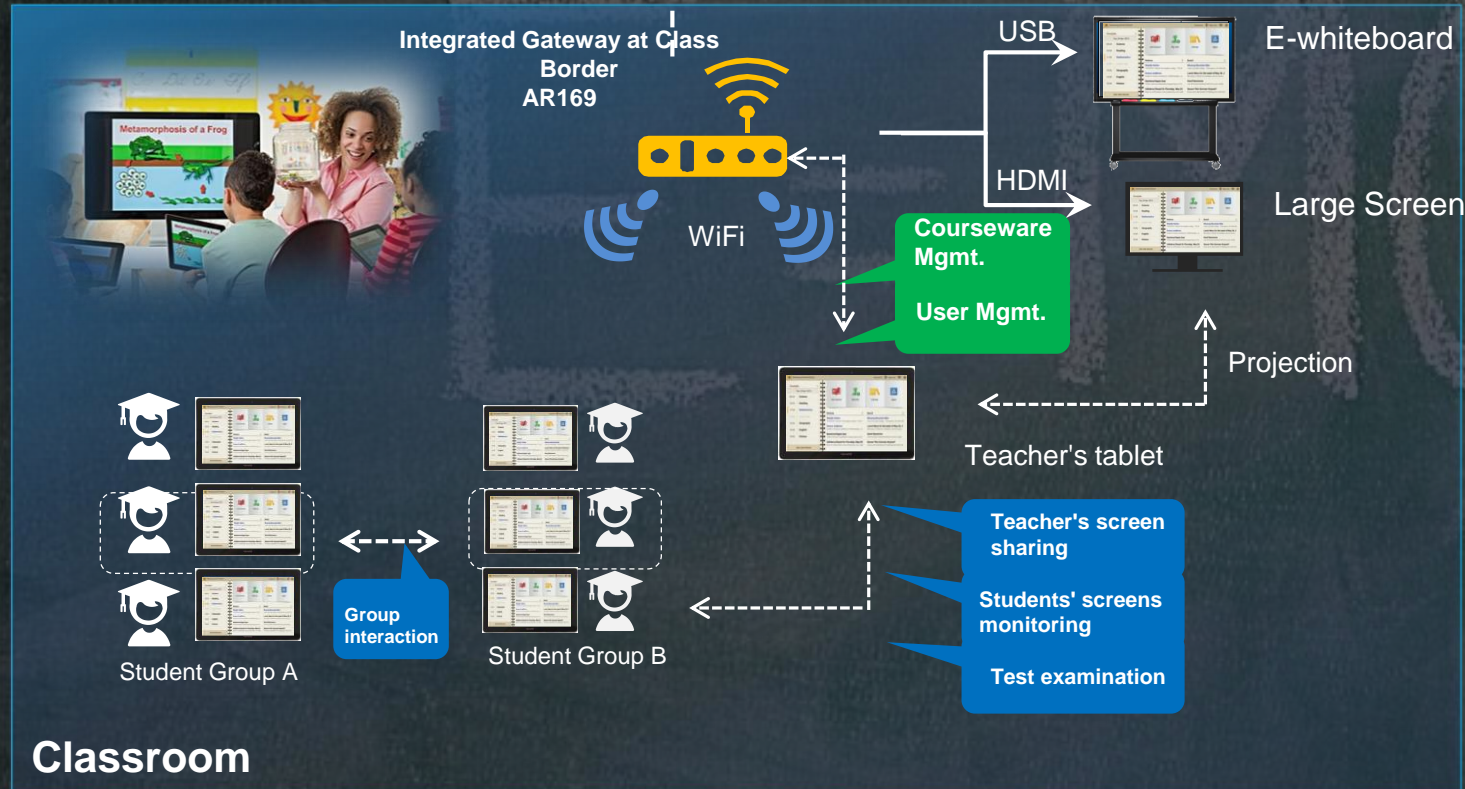
- Fast device deployment, automatic planning/ optimization/ inspection

Ensuring the network access security

- User-based in-depth application traffic control
- Convenient online source tracing prevents the illegal behaviors from hiding

Smart Classroom — Interactive Teaching Solution

School Egress



Interactive mode improving learning interest

Support regional resource sharing, multiple types of test items, easy to find key and difficult points, good effects of micro-class tools

All-in-one gateway, easy to maintain

CCE integrated with gateway, switch, USB, Bluetooth, WIFI, local interaction platform and many other functions

Intelligent terminal management improves teaching efficiency

Any office realizes the application management and control of Huawei Pad,

Smart Classroom — Solar Power Integrated Classroom



Various network access modes

Wired, wireless, 3/4G meets the requirements of remote areas

Green energy-saving

Solar energy utilization rate is increased by 30%

Multiple power supply modes

Support multiple kinds of power supply systems, such as solar energy, batteries, mains supply, generators

Secure and reliable

Integrated with access control, fire alarm and monitoring systems, ensuring the school safety

Housing design and internal devices can be customized as required



anti-seismic



Environmental protection



Convenient installation position



Installation workload:
5m²
1person/day



Windproof



Solar power supply

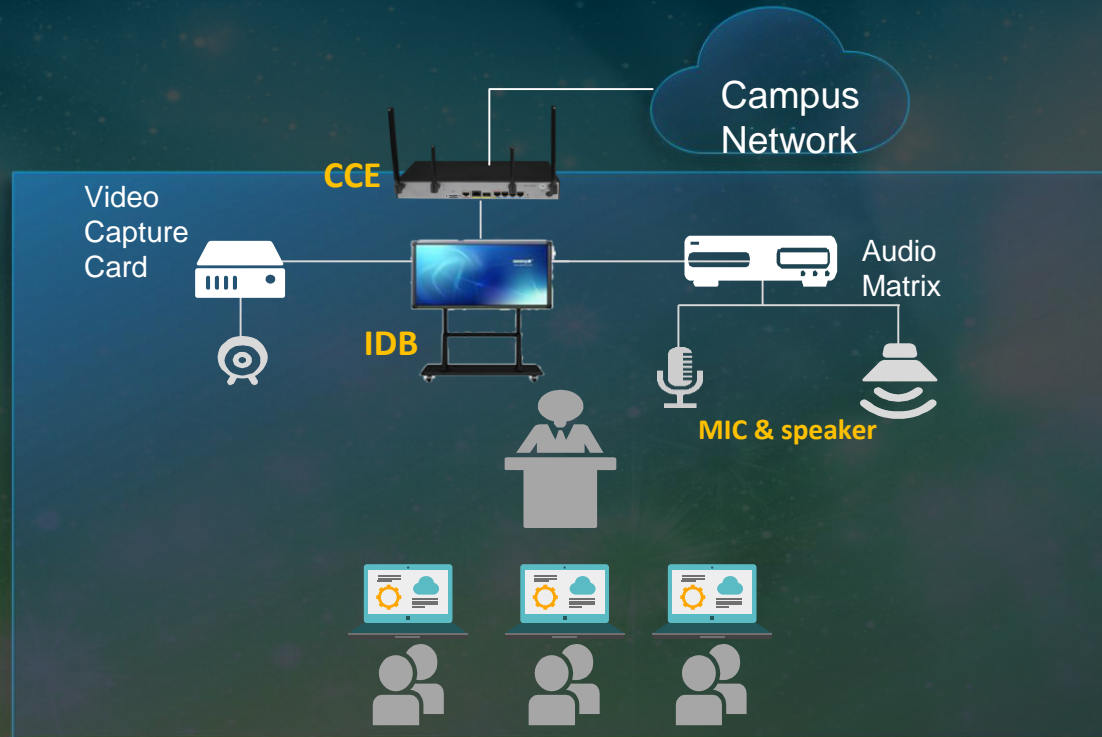


Convenient transportation



Customized

Smart Classroom — Multimedia Classroom



Break the limit of the traditional teaching

- Real-time P2MP distance education
- Offline recording and playback

Simplify multimedia device deployment

- WIFI and PC, all-in-one projection, saving investment
- Electronic whiteboard and VoIP-assisted teaching improve the teaching efficiency

Rich multimedia teaching resources

- Multiple formats, such as video, flash and office 7x24 uninterrupted sharing

Huawei Education in the World



70+ countries and regions

120+ universities cooperation

"Telecom Seeds for the Future" Program

5000+ HAINA* professionals

Colleges and universities



Newcastle - UK

Solution

- **100G** links between Campus core and DC
- **2000+** WLAN APs deliver full WIFI coverage
- Unify User management

Benefits

- Upgrade the speed of the campus network
- Make network higher scalability and availability
- TCO reduction by Green and compact design

Interactive learning



Gauteng, South Africa

- Build Unified Regional Education Cloud
- Cover **2200** Schools
- Provide **88000** E-Schoolbags

“We therefore elected an e-Learning solution that could mediate the curriculum meaningfully, and in a sustainable manner, whilst being financially viable.”

Phumla Sekhonyane
Head of Communications
for the Gauteng Department of Education



THANK YOU

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