

5G ROUTER FOR SECURE REMOTE EDUCATION CONNECTIVITY

HIGHLIGHTS

- ✓ As remote education continues to grow, schools require smart accessibility solutions ensuring students and teachers can connect to all essential learning platforms.
- ✓ There are around 8 million US households that still don't have internet access, which is only the first obstacle. For online learning, it's also necessary to access school systems and databases.
- ✓ [RUTM30 5G Router](#) provides stable, secure 5G high-speed connectivity for smooth video lessons and cloud applications.
- ✓ With [Remote Management System \(RMS\)](#), large batches of 5G routers can be preconfigured and managed remotely, enabling fast, zero-touch deployment to student homes.

PROVIDING A RELIABLE AND SECURE CONNECTION FOR REMOTE EDUCATION

After the world had adapted to using tools for online education during the Covid-19 pandemic, some solutions became the new normal. According to Oxford, [online learning has grown by 900%](#) globally since 2000s, making it the fastest-growing segment in the education industry. This shows that the continuous growth of the market brings a higher demand for tools that would allow students and teachers to stay connected with cloud-based applications accessible over the Internet.

However, according to [Census bureau](#), there are around 8 million US citizens that don't have internet access to this day. Internet access is only the first obstacle - students also require access to school systems and databases, which are secured using a VPN channel to ensure it does not get compromised.

This raises a key question: how can we deliver a stable, reliable, and secure Internet connection that enables students and teachers to use all essential educational tools without interruption?

--- WIRELESS DATA CONNECTION
 — WIRED DATA CONNECTION
 — ENCRYPTED VPN CHANNEL

RMS

INTERNET

SCHOOL CLOUD SYSTEMS

5G

5G

5G

LOCAL SCHOOL DATABASE

RUTM30

RUTM30

RUTM30

RUTM30

RUTM30

SCHOOL

TEACHER'S HOUSE

STUDENTS HOUSES

The most effective way to ensure stable and secure internet for online education is to use a VPN-enabled cellular router. A protected link between schools, teachers, and student houses is essential to avoid compromising internal systems.

RUTM30 also includes features like dual SIM with auto-[failover](#) and backup WAN, which ensures there's no interruptions in operations when switching between interfaces. In case one operator is experiencing some connectivity issues, you won't lose the connection. Additionally, when 5G is unavailable, the router can seamlessly revert to 4G Cat 19, providing stable, high-speed communication.

Our 5G router also adds another layer of reliability because of the eSIM feature. Users can add up to 7 eSIM profiles, meaning that they can stay connected if one of the providers is facing a connectivity issue. This way, the 5G high-speed connectivity delivers an uninterrupted, smooth online access for remote learning activities.

Due to the router's compatibility with [Remote Management System \(RMS\)](#), administrators can preconfigure large batches of routers before shipping, leaving students with only simple steps, such as powering up the device and attaching antennas. On the IT administrator's side, RMS also enables remote monitoring, data-usage tracking, reporting, and troubleshooting.

It also includes strong security features such as multiple VPN options (OpenVPN, L2TP, DMVPN), an integrated [firewall](#), and content filtering to ensure access to appropriate educational resources.

Combining security, reliability, and straightforward setup, RUTM30 provides a zero-touch, scalable connectivity ideal for online learning.

Ready to upgrade your remote education experience with the help of RUTM30 and Remote Management System? Contact us to learn more about the possibilities of our 5G routers!

