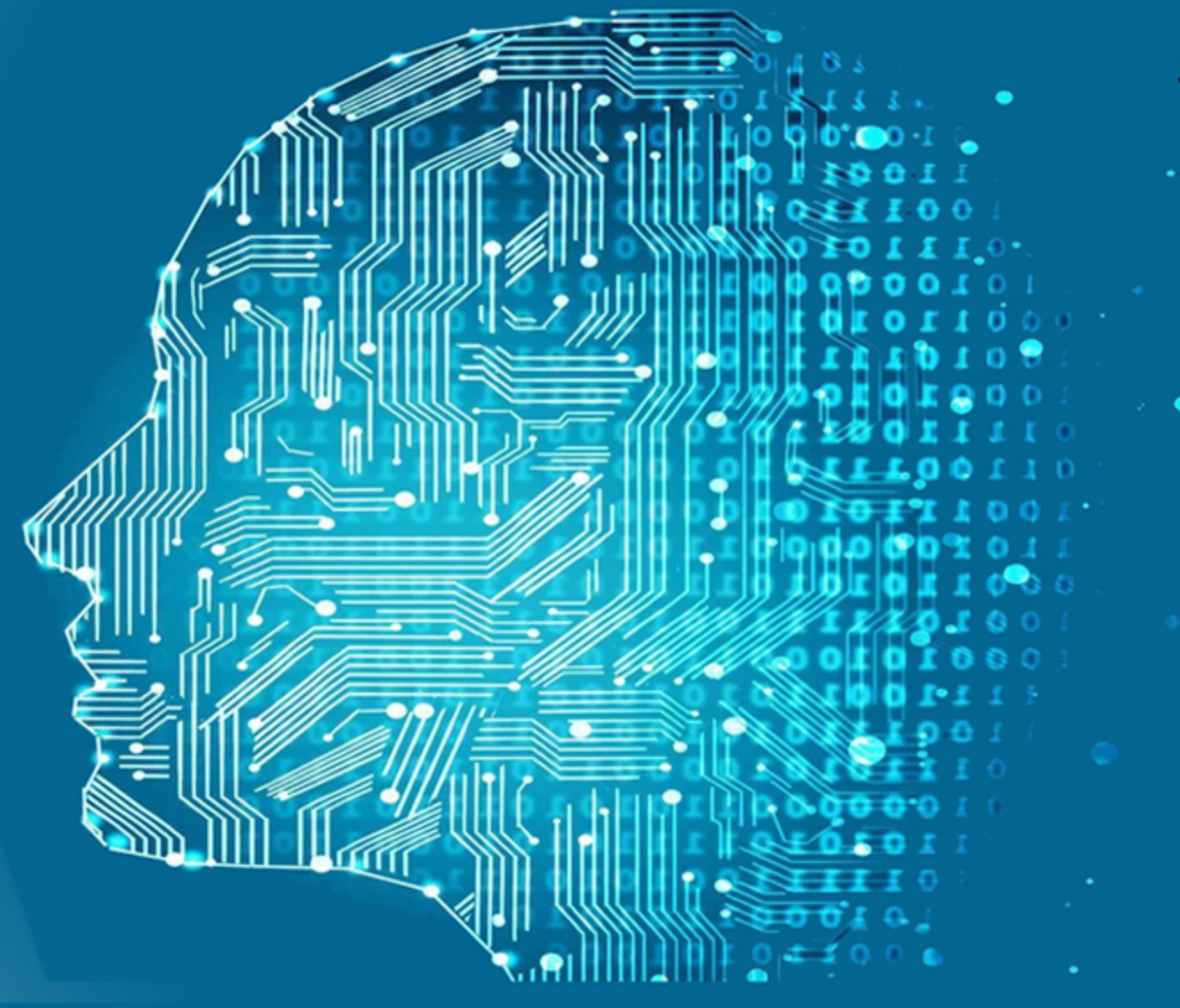




เค อินโนเวชัน แอน เทคโนโลยี
K INNOVATION & TECHNOLOGY



Discover BX

Description

DiscoverBX, is an innovative content distribution system designed to provide internet-free Wi-Fi access to educational materials in schools with limited or no connectivity.

By including the Promethean ActivPanel or any other wifi enabled teaching or student device , DiscoverBX ensures an engaging, interactive learning experience for students and teachers alike without internet limitations.

Recommended Technical Requirements

The technical requirements for running the Virtual Lab software efficiently are as follows:

| CPU | Memory | Graphics Card |
|------------------------------------|--|----------------|
| Intel i7 4790 processor | 16GB RAM | NVIDIA GTX 750 |
| Hard Drive | Monitor | |
| More than 200GB of free disk space | A recommended screen resolution of 1920x1080 for optimal display quality | |

General Specifications

| | | |
|---------------------------|-------------------------------------|---------------------|
| Device Type | CPU | GPU |
| | 2.0GHz,4 cores and 4 threads, J4125 | Integrated |
| RAM | Internal Storage | Architecture |
| DDR3/4 4-8Gb | 1 TB | 64-bit |
| Operating System | | |
| OpenWRT (based on v22.03) | | |

Power

| Power requirements | Power consumption maximum | Power consumption standby |
|---------------------------|---------------------------|---------------------------|
| 100 - 240 V ~ 50/60 Hz AC | 30 W | <= ?? W |

Environmental

| Operating temperature | Storage temperature | Operating humidity |
|------------------------------------|---------------------|------------------------------------|
| 0 °C to 40 °C | -20 °C to 60 °C | 10% to 90% non-condensing humidity |
| Storage humidity | | |
| 10% to 90% non-condensing humidity | | |

Physical Specifications

| Product dimensions | Packed dimensions | Net weight |
|-------------------------|-------------------------|------------|
| 265 mm x 206 mm x 32 mm | 426 mm x 242 mm x 56 mm | |
| Packed weight | | |
| | | |



Key Capabilities

Enables local hosting and distribution of digital content without the need for an internet connection. Provide schools with continuous access to valuable content, even in areas with limited connectivity. Integration with edmodoworld Content Cloud:

DiscoverBX connects seamlessly to the edmodoworld's Content Cloud, which can house a vast library of educational resources.

This integration allows educators to easily share and curate content tailored to their students' needs, all while maintaining a user-friendly experience.

Centralized Resource Management:

Ministries of education and other administrators can create, curate, and distribute content resources centrally using ControlBX to the DiscoverBX's. This ensures that schools receive up-to-date, high-quality materials on a rolling basis, regardless of their ongoing connectivity status.

Optimised to work seamlessly with Promethean ActivPanel, an interactive display that enhances the learning experience.

ActivPanel enables educators to access and present discoverBX content in an engaging, interactive format, promoting collaborative learning and fostering student engagement. Other displays are compatible.

DiscoverBX is easy to deploy, requiring minimal setup and configuration.

Once installed, the system automatically connects to the edmodoworld and BX Control platforms and integrates with the Promethean ActivPanel, allowing educators to access and share content with minimal hassle.

Connectivity

| | | |
|--|---------------------------------------|-------------------------------------|
| USB-A 3.0 | USB-A 2.0 | Expandable Storage (MicroSD) |
| x3 | x2 | ? |
| Microphone in | Audio out | LAN in (RJ45) |
| x1 3.5 mm | x1 3.5 mm | x2 10/100/1000 Mbps |
| Wi-Fi | SIM card | 3G support |
| IEEE 802.11 a/b/g/n/ac/ax Wi-Fi 6 and dual band supported | x1 Standard / Micro / Nano | UMTS 900; UMTS 2100 |
| 4G support | 4G performance | Antennae switching |
| LTE 800; LTE 1800; LTE 2600 | max 150 Mbps download, 50 Mbps upload | 4 x 2.4 / 5 GHz |
| HDMI (which version?) | VGA | |
| x1 | x1 | |

Packed Contents

| What's in the box | | |
|---|--------------------|-----------------|
| discoveryBX x 1 | 3 x Wi-Fi antennae | 2 x 4G antennae |
| 1 x regional power adapter with 1 m cable to 12V DC connector | | |