Team SoftEx, Inc.

EVO Pure Bi-Direction

Hardware Digital Broadcast System

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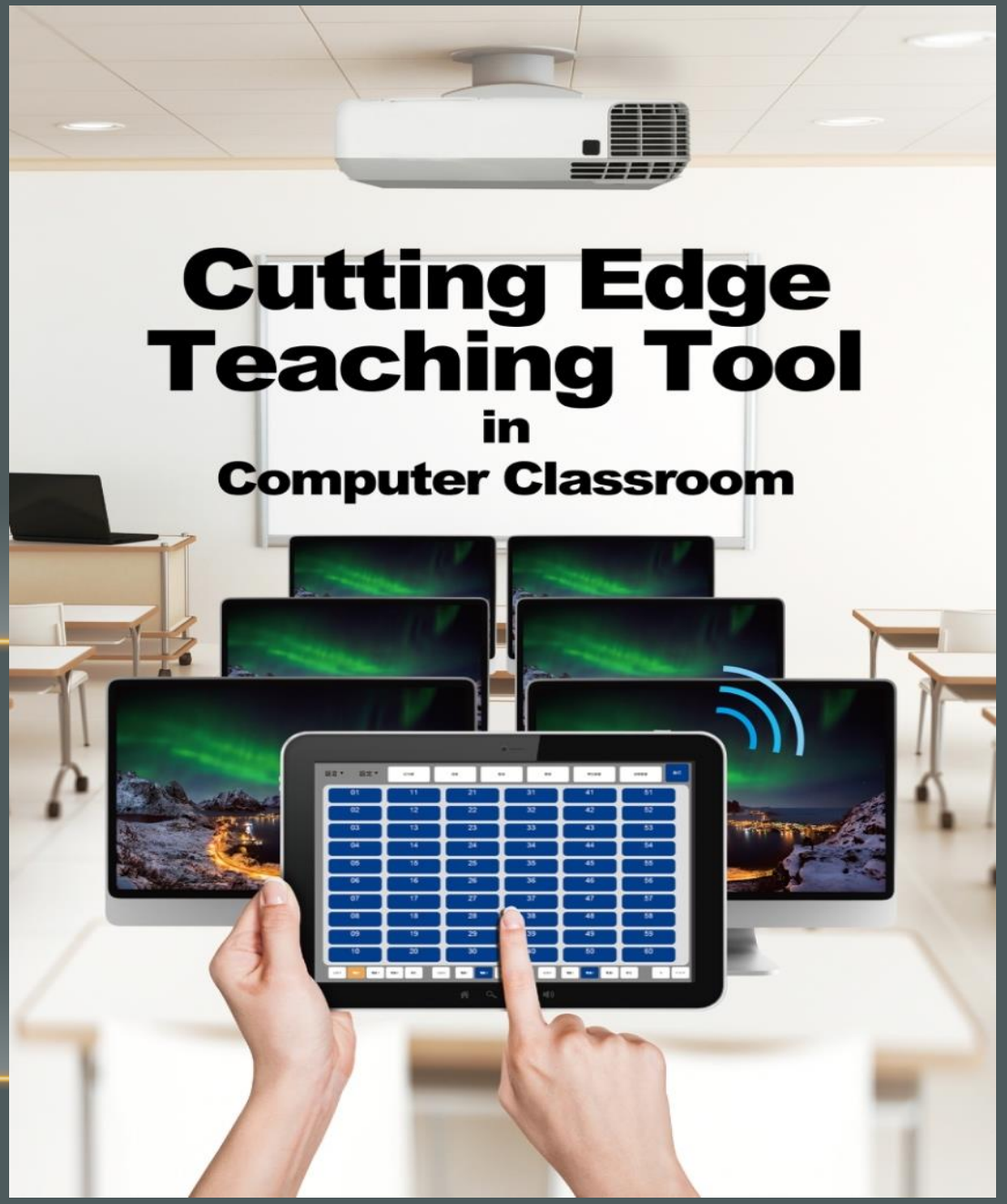
Team SoftEx, Inc.

EVO PURE
Bi-Directional
Digital Teaching Broadcasting System

Computer Classroom Management via Your Fingers



EVO Pure (Bi-Direction) / Main Composition Products

Central Control Panel

Repeater RT-190

Teacher's Box
Student 's Box
UT-230

Repeater RT-180

Teacher's and Students' (Computer) Input Device: Must Have Digital Interface (DVI, HDMI, Display Port)
Monitor: EVO Pure can support Digital Interface and VGA Interface

EVO Pure – System Architecture (Two way)

Teacher's side:

One Control Panel,
Two Repeaters: RT-190, RT-180
One Teacher Box: UT-230D
One Access Point

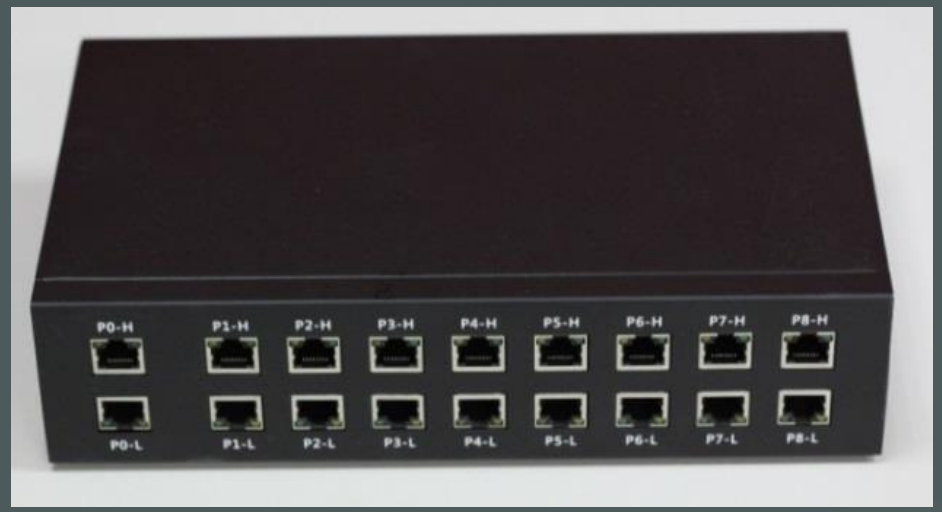
Student's Side:

Student Box: UT-230D
(One box can support 3PC Host + 3 monitors)

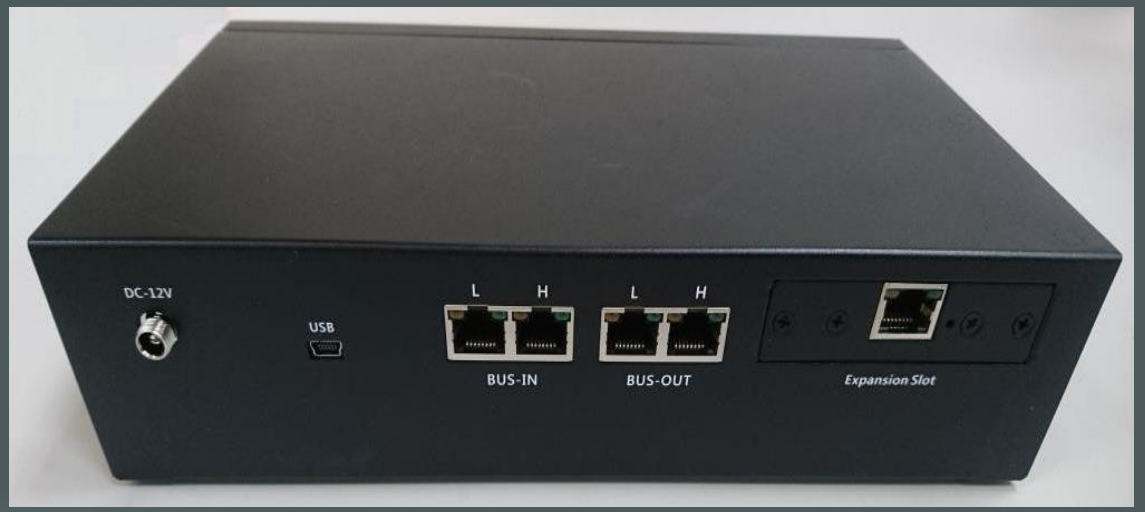
Control Panel

Repeater RT-190D-MD

Front View



Rear View



Repeater RT-180R

Front View

Rear View

Teacher and Student Box : UT-230D / UT-230I

Top View of UT-230D (UT-230I)

Side View

Top View of UT-230I (with DVI-I Male to VGA Female Adapter)

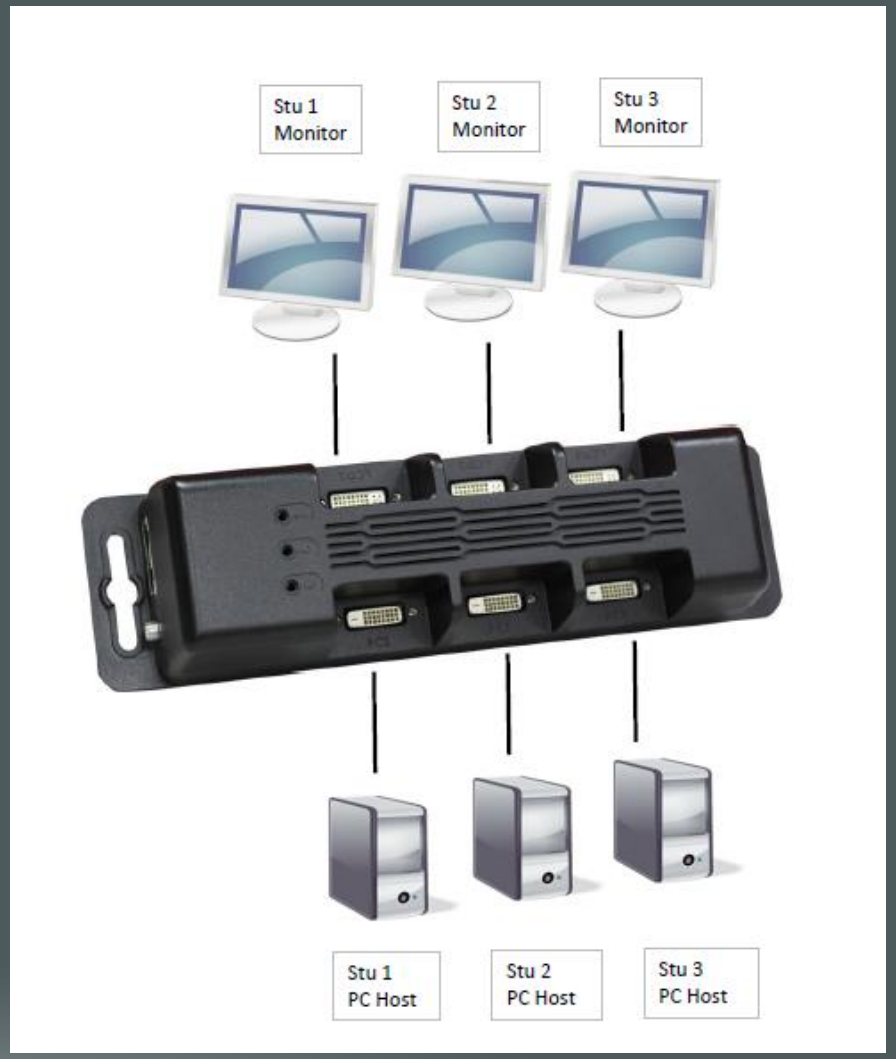
Teacher and Student Box : UT-230D / UT-230I

Definition:

- UT-230D is to support Digital type interface of PC and Monitor

- UT-230I is to support both Digital type and VGA type interface of Monitors. To Support VGA Interface monitors, it requires an additional DVI-I Male to VGA Female Adapter connected to UT-230I student unit.

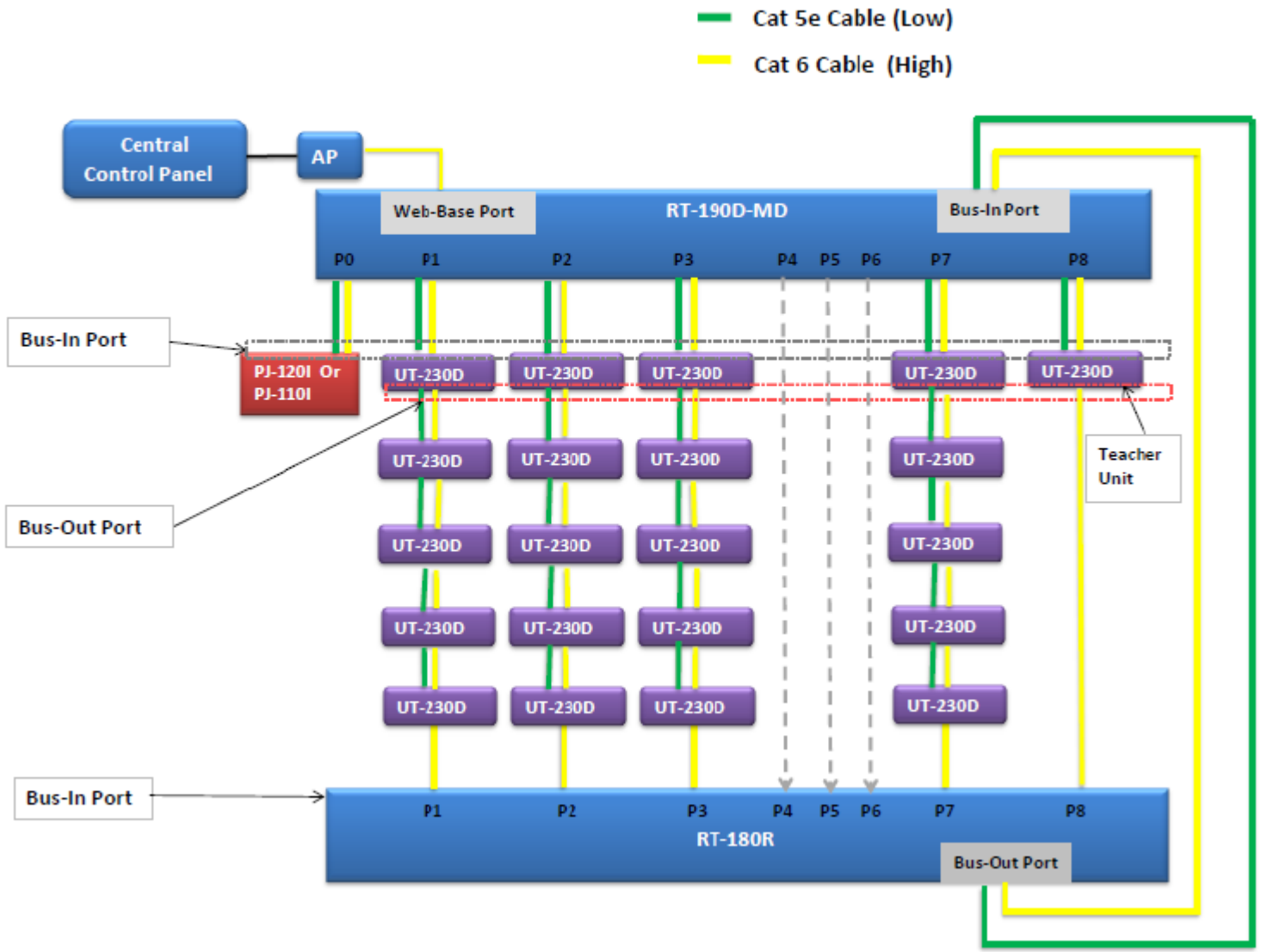
Power Adapter



Special Note:

Input devices Must have digital Interface, can supply digital signal to UT230 input port (PC1~PC3).

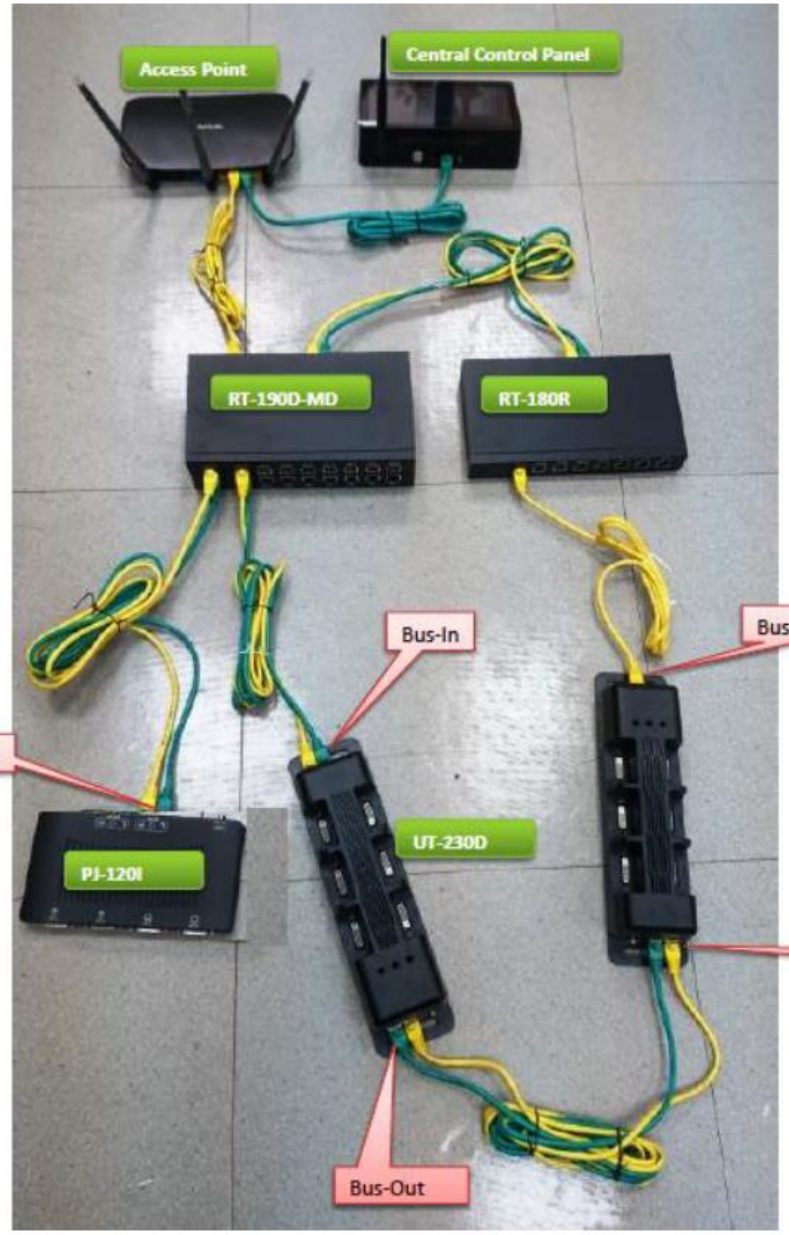
Block Diagram



3.3 Signal Connection for the whole system (Cat5e & Cat 6 Cables)

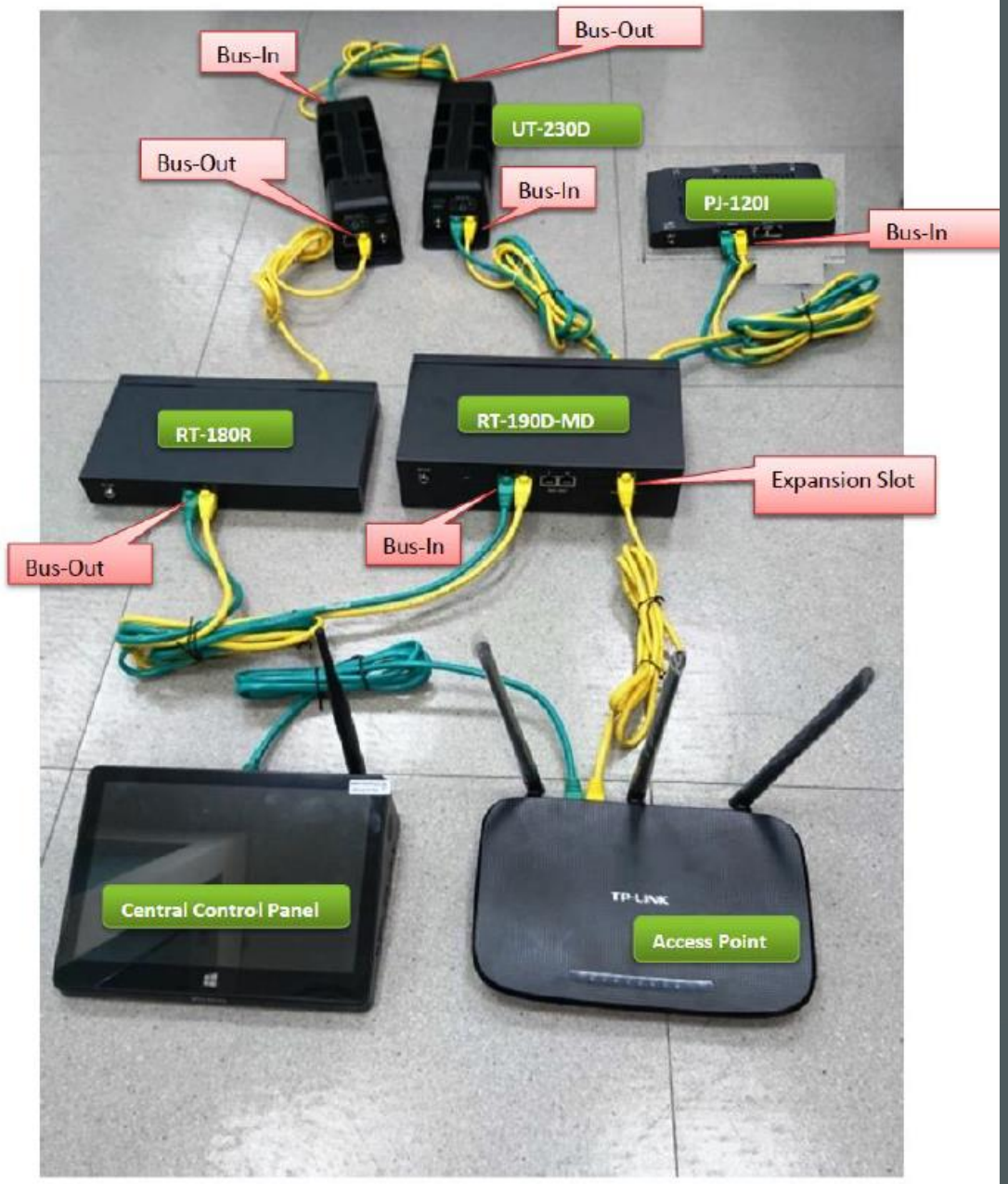
Cat 5e Cable (Low)

Cat 6 Cable (High)



Cat 5e Cable (Low)

Cat 6 Cable (High)



3.3.1 Details of signal connection

Cables connected to RT-190D-MD (Dual cables)

RT-190D-MD, link with UT-230D (Bus-In Port) (Dual cable

Green L to Green L; Yellow H to Yellow H

Cat 5e Cable (Low)

Cat 6 Cable (High)

UT-230D link with UT-230D.

For example, 1st student unit from RT-190D-MD will link from BUS-OUT of itself to BUS-IN of 2nd student unit and go continuously to 3rd and 4th student unit. Green L to Green L; Yellow H to Yellow H.

UT-230D (Bus-Out), link with RT-180R (Single Cable, Cat 6)

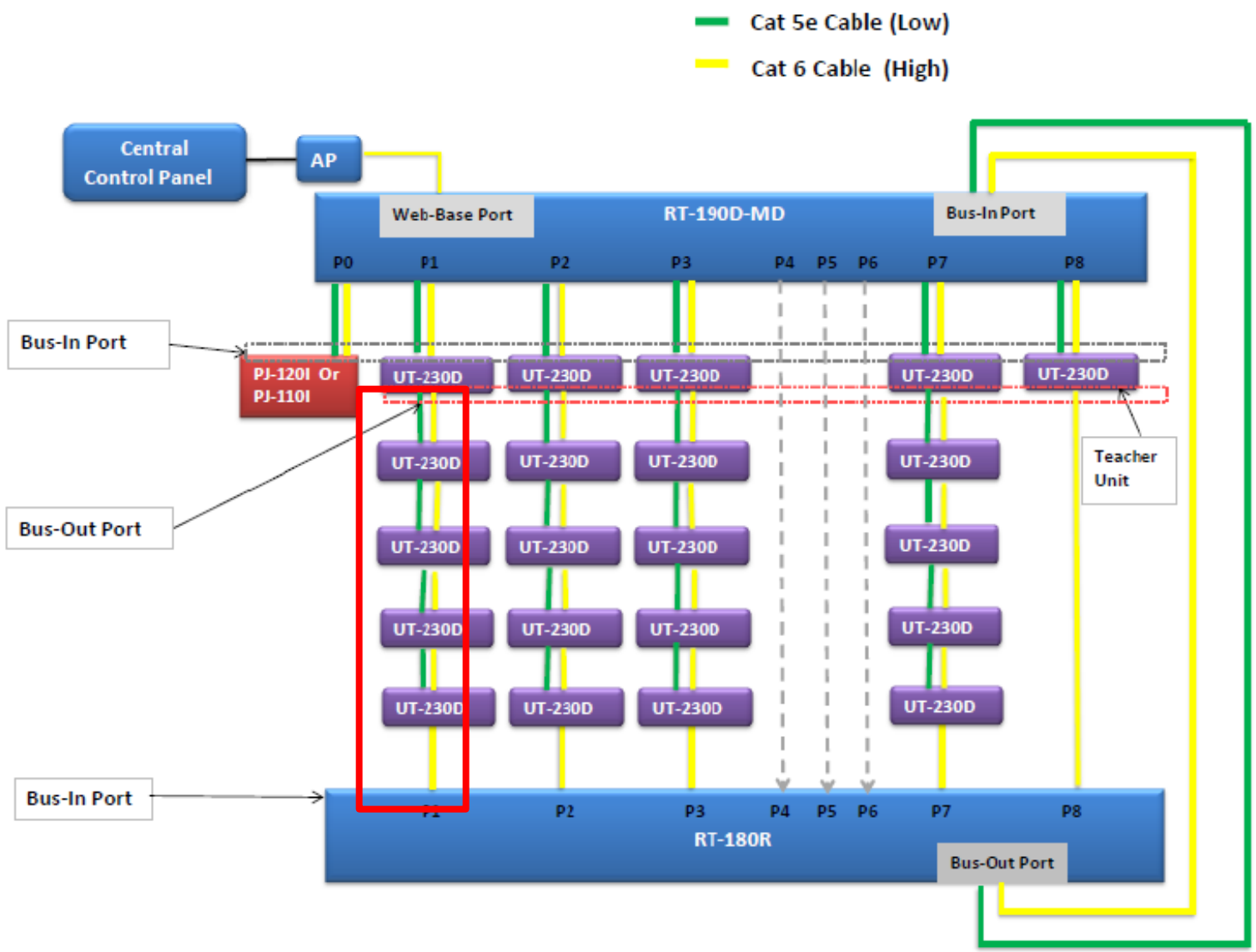
Cat 5e Cable (Low)

Cat 6 Cable (High)

RT-180R, link with RT-190D-MD (Dual Cables) Green L to Green L; Yellow H to Yellow H

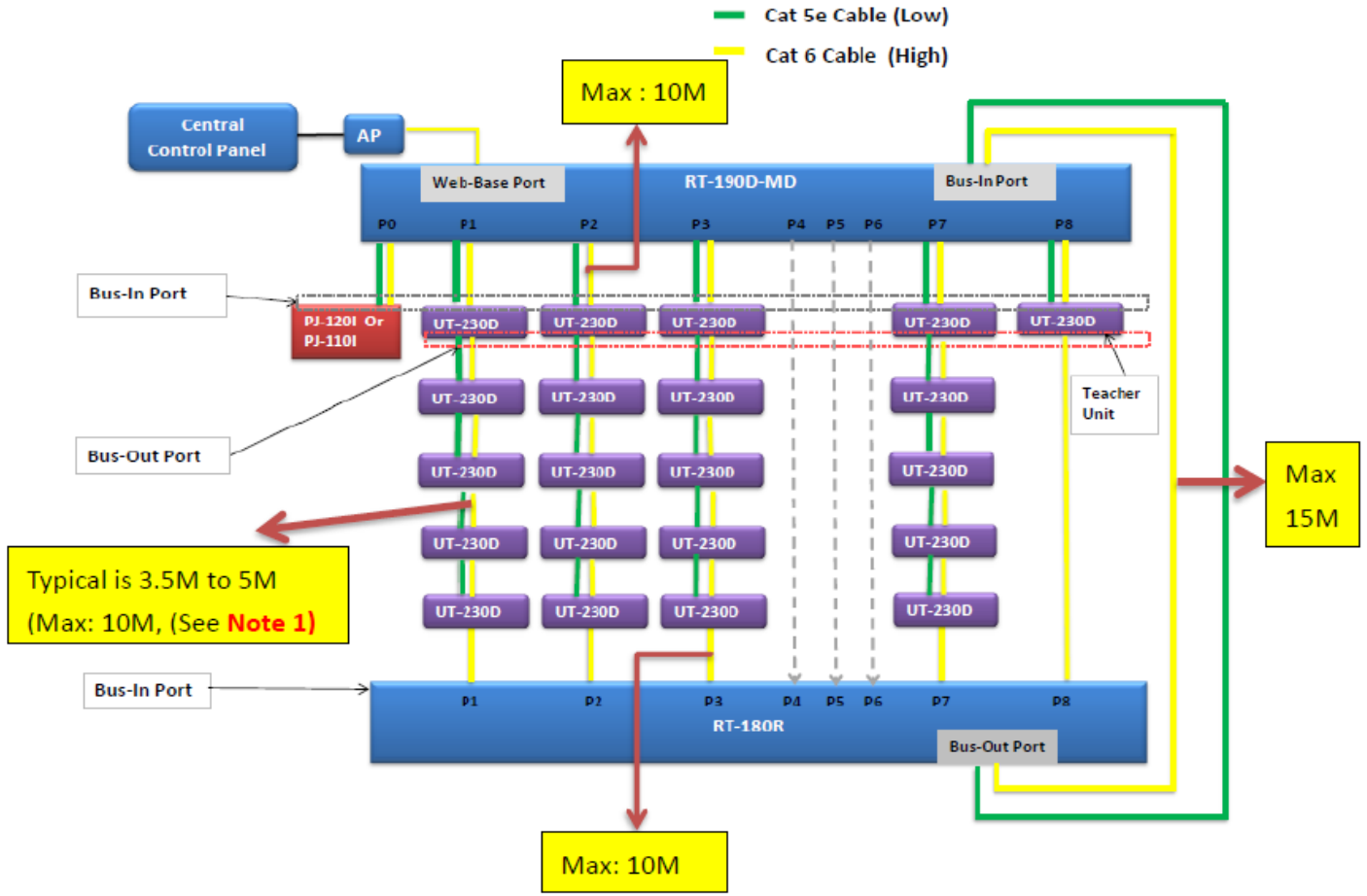
P1 Port of RT-190D-MD must be connected to P1 Port of RT-180R

Block Diagram



Total 8 Ports (P1~P8 Port)
Each Port can stream up 5 student boxes
Total max students supported (8*5*3=120)

EVO Pure - Cable Length Arrangement



From our experience, based on standard C5e/Cat 6 (STP or FTP Cable) the typical distance is **3.5M~5M** between UT-230 Bus Port

The Max distance from RT-190 to UT-230 is **10M**
The Max distance from UT-230 to RT-180 is **10M**
The Max distance between RT-190 and RT-180 is **15M**

Note 1:

When you need to use Max 10M between UT-230 Student Box, it is considered as a special case, better to discuss with TeamSoftEx how to better arrange it. In any case, you need to meet the requirement of Max distance **15M between RT-190 and RT-180**. Otherwise, we need to use SFTP Cable instead of STP or FTP.

Note 2:

You can always send us the layout of the Lab for deployment review together.

Thank you very much !

EVO Pure - Digital Teaching Broadcast

Bi-direction

Central Control Panel

UNDER BIOS, YOU CAN PERFORM " **BLACK SCREEN**"
AND BROADCAST TO ALL STUDENTS FUNCTION

Students can accept broadcast information directly without turning on PC host ! ! !

EVO Pure - Digital Teaching Broadcast

Bi-direction

GROUP BROADCAST

Teacher broadcast HD material to students

Central Control Panel

EVO Pure - Digital Teaching Broadcast

Bi-direction

Central Control Panel

Student Broadcast

Assign st-05 work, share and broadcast to other students

St-05

Thank You for Your Attention ! !

Team SoftEx, Inc.