

# CASIO Educational Solutions

## Proposal Guide for Different Environments



**Educational  
Solutions**



### **CASIO Educational Solutions makes classes easier, from beginning to end.**


Alongside the spread of IT education that uses the Internet and digital content, teachers need to be able to efficiently and easily make use of projectors during their classes. CASIO projectors have been introduced at more than 40,000 schools. The company has been working on projectors that will be a perfect fit for the IT classes of the future, by having discussions with actual teachers and IT managers. You want devices that are easier to use, so classes can proceed smoothly. You want to encourage students to participate through classroom styles that give students a lot of freedom. You want to get closer to students and improve communication. CASIO's products are the answer to these points that educators have long had to worry about.

Make your IT classes more efficient, and smarter. CASIO is changing the IT classes of the future.

# The following functions can be used in the CASIO Educational Solutions supports your class from be

Preparation


One Click Connection



You can connect to the projector with just one click.


During class

Moderator function




You can operate student projections remotely.

PC remote



You can operate your PC remotely.


Projector remote



You can operate the projector remotely.

End of class

Auto projection



When you stop the projection, the projector automatically returns to the previous state.

## Proposals for classes depending

Classroom IT environment

CASE 1

1

The projector is connected to the internal school LAN.

2

The teacher's PC is connected to the internal school LAN.

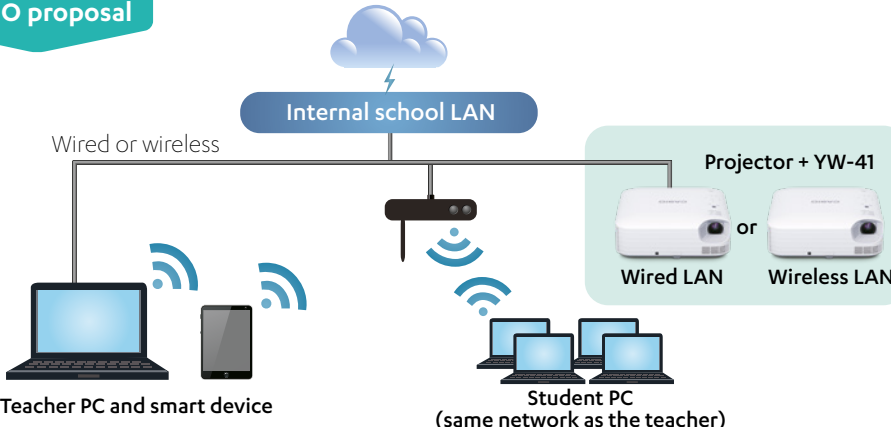
3

The teacher has a smart device.

4

The students' PCs are connected to the internal school LAN.

CASIO proposal



Both teachers and students can use the ES features. The Moderator function can connect with up to 40 other devices (including the teacher's PC or other smart devices). Teachers can work more closely with their students via group work that uses One Click Connection or the Moderator function, and the teacher can control the PC or projector by using a smart device.

ES features

One Click Connection (teacher)	✓
One Click Connection (student)	✓
Moderator function	✓
PC remote (with smart device)	✓
Projector remote (with smart device)	✓
Auto projection off	✓
Auto input search	✓
Countdown timer	✓
Templates	✓
Mirror mode	✓

Classroom IT environment

CASE 2

1

The projector is not connected to the internal school LAN.

2

The teacher's PC is connected to the internal school LAN.

3

The teacher has a smart device.

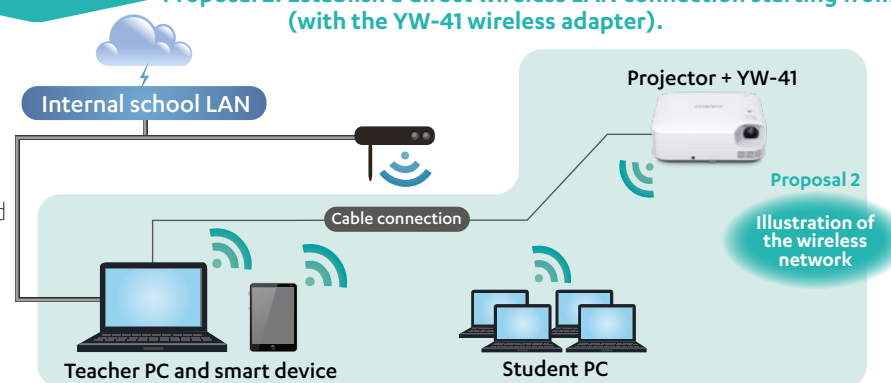
4

The students' PCs are connected to the internal school LAN.

CASIO proposal

Proposal 1: Connect the project to the LAN within the school (the same as in case 1).

Proposal 2: Establish a direct wireless LAN connection starting from the projector (with the YW-41 wireless adapter).



Now, if the teacher's PC and the projector to which the cable is connected are connected to the LAN within the school, all ES features can be used. (This is the same as in case 1.) In addition, all ES features can be used even when the projector and the YW-41 are connected to the teacher's PC and smart device and the students' PCs directly by establishing a wireless LAN connection. Note, however, that in this case a maximum of eight devices can connect to the projector wirelessly.

ES features

One Click Connection (teacher)	✓
One Click Connection (student)	✓
Moderator function	✓
PC remote (with smart device)	✓
Projector remote (with smart device)	✓
Auto projection off	✓
Auto input search	✓
Countdown timer	✓
Templates	✓
Mirror mode	✓

Notes

When establishing a direct wireless LAN connection:  
\* A maximum of 8 devices can connect to the Moderator function at the same time (including the teacher's PC and smart devices).  
\* The projector cannot connect to an outside network while it is connecting wirelessly.

# infrastructure environment of your school.

## ginning to end, through the use of wireless functionality.

### Classroom IT environment

#### Auto projection off



#### Auto input search



The projector detects input signals automatically.

#### Countdown timer



You can display a large timer in the screen.

### Other features

#### Templates



You can register nine built-in templates and original images.

#### Mirror mode



Images can be rotated horizontally.

Note: Original images can only be registered on network-enabled models.

## on infrastructure environment

### Classroom IT environment

#### CASE 3

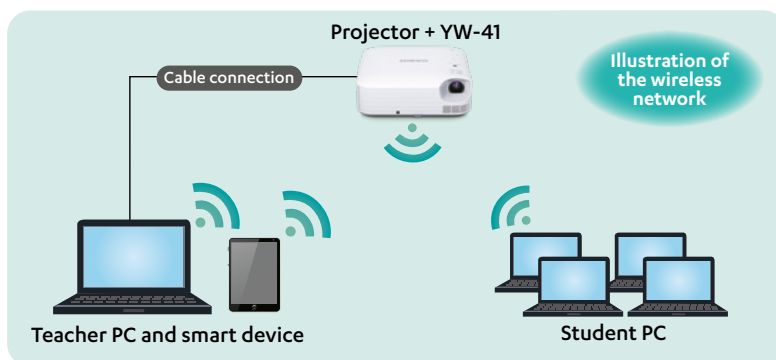
- 1 The projector is not connected to the internal school LAN.
- 2 The teacher's PC is not connected to the internal school LAN.

- 3 The teacher has a smart device.

- 4 The students' PCs are not connected to the internal school LAN.

#### CASIO proposal

Establish a direct wireless LAN connection starting from the projector (with the YW41 wireless adapter).



If the teacher's PC and the students' PCs are not connected to the network (they are stand-alone), all ES features can be used by establishing a direct wireless LAN connection between the projector (with the YW-41) and the teacher's PC and smart devices and the students' PCs. Note, however, that a maximum of eight devices can connect to the projector wirelessly.

#### ES features

One Click Connection (teacher)	✓
One Click Connection (student)	✓
Moderator function	✓
PC remote (with smart device)	✓
Projector remote (with smart device)	✓
Auto projection off	✓
Auto input search	✓
Countdown timer	✓
Templates	✓
Mirror mode	✓

#### Notes

When establishing a direct wireless LAN connection:  
\* A maximum of 8 devices can connect to the Moderator function at the same time (including the teacher's PC and smart devices).

### Classroom IT environment

#### CASE 4

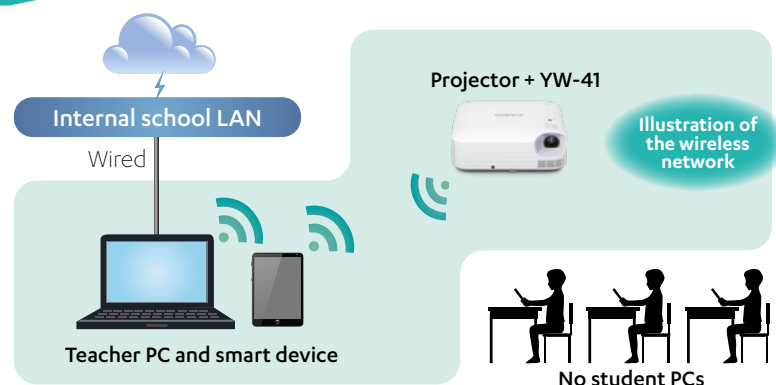
- 1 The projector is not connected to the internal school LAN.
- 2 The teacher's PC is connected to the internal school LAN.

- 3 The teacher has a smart device.

- 4 The students do not have PCs.

#### CASIO proposal

Establish a direct wireless LAN connection from the projector (with the YW-41 wireless adapter) to the teacher's PC and smart devices.



ES features can be used by establishing a direct wireless LAN connection that includes the projector, the teacher's PC, and smart devices. One Click Connection can be used to project an image of a PC screen over a wireless connection, and the PC remote and Projector remote functions can be used to easily perform PC or projector operations remotely by using a smart device.

#### ES features




One Click Connection (teacher)	✓
One Click Connection (student)	—
Moderator function	—
PC remote (with smart device)	✓
Projector remote (with smart device)	✓
Auto projection off	✓
Auto input search	✓
Countdown timer	✓
Templates	✓
Mirror mode	✓

#### Notes

When establishing a direct wireless LAN connection, the projector cannot connect to an outside network.

# Educational Solutions product lineup

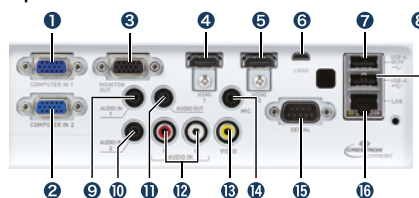
## Lineup

	Model no.	Display			Mobile / Installed			Presentation functions		Connectivity method			Management / Operation	
		Native resolution	Brightness (lumens)	Contrast ratio	Weight	Ceiling and wall mounting	Optical zoom ratio	Built-in speaker	USB power supply	Computer input (digital/analog)	Wired LAN	Wireless LAN	Dust-resistant structure	Power consumption (maximum*1/default setting*2)
<b>Superior</b> 	XJ-S400UN	WUXGA	4000	20000:1	5.9 kg	Ceiling	1.7x	16 W	✓	HDMI × 2/ RGB × 2	✓	Option supported	✓	255 W/ 215 W
	XJ-S400U	WUXGA	4000	20000:1	5.9 kg	Ceiling	1.7x	16 W	✓	HDMI × 2/ RGB × 2	—	—	✓	250 W/ 210 W
	XJ-S400WN	WXGA	4000	20000:1	5.9 kg	Ceiling	1.7x	16 W	✓	HDMI × 2/ RGB × 2	✓	Option supported	✓	255 W/ 215 W
	XJ-S400W	WXGA	4000	20000:1	5.9 kg	Ceiling	1.7x	16 W	✓	HDMI × 2/ RGB × 2	—	—	✓	250 W/ 210 W
<b>Advanced</b> 	XJ-F211WN	WXGA	3500	20000:1	3.8 kg	Ceiling	1.5x	16 W	✓	HDMI × 2/ RGB × 1	✓	Option supported	✓	205 W/ 165 W
	XJ-F101W	WXGA	3500	20000:1	3.8 kg	Ceiling	1.5x	16 W	✓	HDMI × 2/ RGB × 1	—	—	✓	205 W/ 165 W
	XJ-F211XN	XGA	3300	20000:1	3.8 kg	Ceiling	1.5x	16 W	✓	HDMI × 2/ RGB × 2	✓	Option supported	✓	195 W/ 160 W
	XJ-F11X	XGA	3300	20000:1	3.8 kg	Ceiling	1.5x	16 W	✓	HDMI × 2/ RGB × 1	—	—	✓	195 W/ 160 W
<b>Ultra Short-Throw</b> 	XJ-UT352WN	WXGA	3500	20000:1	5.8 kg	Ceiling and wall mounting	Fixed*3	16 W	✓	HDMI × 2/ RGB × 2	✓	Option supported	✓	225 W/ 185 W
	XJ-UT352W	WXGA	3500	20000:1	5.8 kg	Ceiling and wall mounting	Fixed*3	16 W	✓	HDMI × 2/ RGB × 2	—	—	✓	225 W/ 185 W
	XJ-UT312WN	WXGA	3100	20000:1	5.8 kg	Ceiling and wall mounting	Fixed*3	16 W	✓	HDMI × 1/ RGB × 2	✓	✓	✓	195 W/ 130 W

\*1: "Bright" mode is selected. \*2: Light control mode on, light output 7 selected. \*3: Digital screen shift supported.

## Interface

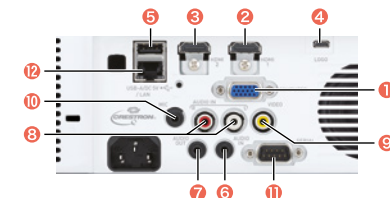
### Superior



- 1 Computer terminal 1
- 2 Computer terminal 2\*
- 3 Monitor output terminal\*
- 4 HDMI terminal 1
- 5 HDMI terminal 2
- 6 USB terminal (Micro-B)
- 7 USB terminal (Type-A) 1
- 8 USB terminal (Type-A) 2\*
- 9 Audio input terminal 1
- 10 Audio input terminal 2\*
- 11 Audio output terminal
- 12 Audio input terminal (RCA)
- 13 Video input terminal (RCA)
- 14 Microphone terminal\*
- 15 Control terminal (RS-232C)
- 16 Wired LAN terminal\*

\*Models with this functionality: XJ-S400UN/S400WN

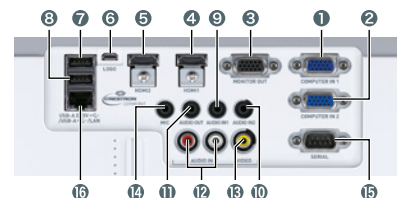
### Advanced



- 1 Computer terminal
- 2 HDMI terminal 1
- 3 HDMI terminal 2
- 4 USB terminal (Micro-B)
- 5 USB terminal (Type-A)
- 6 Audio input terminal
- 7 Audio output terminal
- 8 Audio input terminal (RCA)
- 9 Video input terminal (RCA)
- 10 Microphone terminal\*
- 11 Control terminal (RS-232C)
- 12 Wired LAN terminal\*

\*Models with this functionality: XJ-F211WN/F211XN

### Ultra Short-Throw



- 1 Computer terminal 1
- 2 Computer terminal 2
- 3 Monitor output terminal
- 4 HDMI terminal 1
- 5 HDMI terminal 2\*
- 6 USB terminal (Micro-B)
- 7 USB terminal (Type-A) 1
- 8 USB terminal (Type-A) 2\*
- 9 Audio input terminal 1
- 10 Audio input terminal 2
- 11 Audio output terminal
- 12 Audio input terminal (RCA)
- 13 Video input terminal (RCA)
- 14 Microphone terminal
- 15 Control terminal (RS-232C)
- 16 Wired LAN terminal\*

\*1: Models with this functionality: XJ-UT352WN/UT352W

\*2: Models with this functionality: XJ-UT352WN/UT312WN

ES function support chart	Superior		Advanced		Ultra Short-Throw	
	XJ-S400UN XJ-S400WN	XJ-S400U XJ-S400W	XJ-F211WN XJ-F211XN	XJ-F101W XJ-F11X	XJ-UT352WN XJ-UT312WN	XJ-UT352W
One Click Connection	✓	—	✓	—	✓	—
Moderator function	✓	—	✓	—	✓	—
PC remote	✓	—	✓	—	✓	—
Projector remote	✓	—	✓	—	✓	—
Auto projection off	✓	✓	✓	✓	✓	✓
Auto input search	✓	✓	✓	✓	✓	✓
Countdown timer	✓	✓	✓	✓	✓	✓
Templates	✓	✓	✓	✓	✓	✓
Mirror mode	✓	✓	✓	✓	✓	✓

## Option

### Wireless LAN adaptor



#### YW-41

The YW-41 is an adaptor used for wireless LAN connections for network-enabled models. The adaptor supports the IEEE 802.11 b/g/n standard.

Supported models: XJ-S400UN/S400WN, XJ-UT352WN/UT312WN, XJ-F211WN/F211XN

## Supported applications

For details about support information for various operating systems, check the CASIO website.

### Wireless projection app for PCs: C-Connection

Supported OSs



- \* Applications can be downloaded from the CASIO website.
- \* The Chrome OS version is expected to be available from the Chrome Web Store in June 2019.

#### Installing C-Connection

- Access the following URL to download the app.

For Windows

<https://support.casio.com/en/support/download.php?cid=007&pid=19>

For Mac

<https://support.casio.com/en/support/download.php?cid=007&pid=19>

### Wireless projection app for smart devices: MirrorOp Presenter

Supported OSs



- \* The Android version of the application is available from Google Play, and the iOS version is available from the App Store.
- \* MirrorOp Presenter is a product of Barco, Inc.

### PC remote app for smart devices: MirrorOp Receiver

Supported OSs



- \* The Android version of the application is available from Google Play, and the iOS version is available from the App Store.
- \* MirrorOp Receiver is a product of Barco, Inc.

[https://web.casio-intl.com/projector/educational\\_solutions/](https://web.casio-intl.com/projector/educational_solutions/)



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