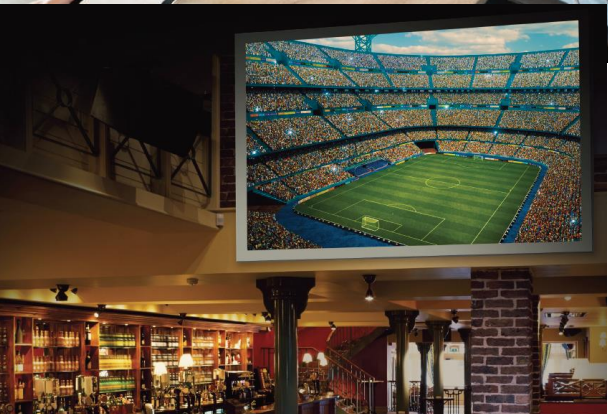

maxell
Within, the Future

USB Wireless Adapter

USB-WL-11N

USB-WL-5G

1. Wireless LAN Network for Hitachi Projector

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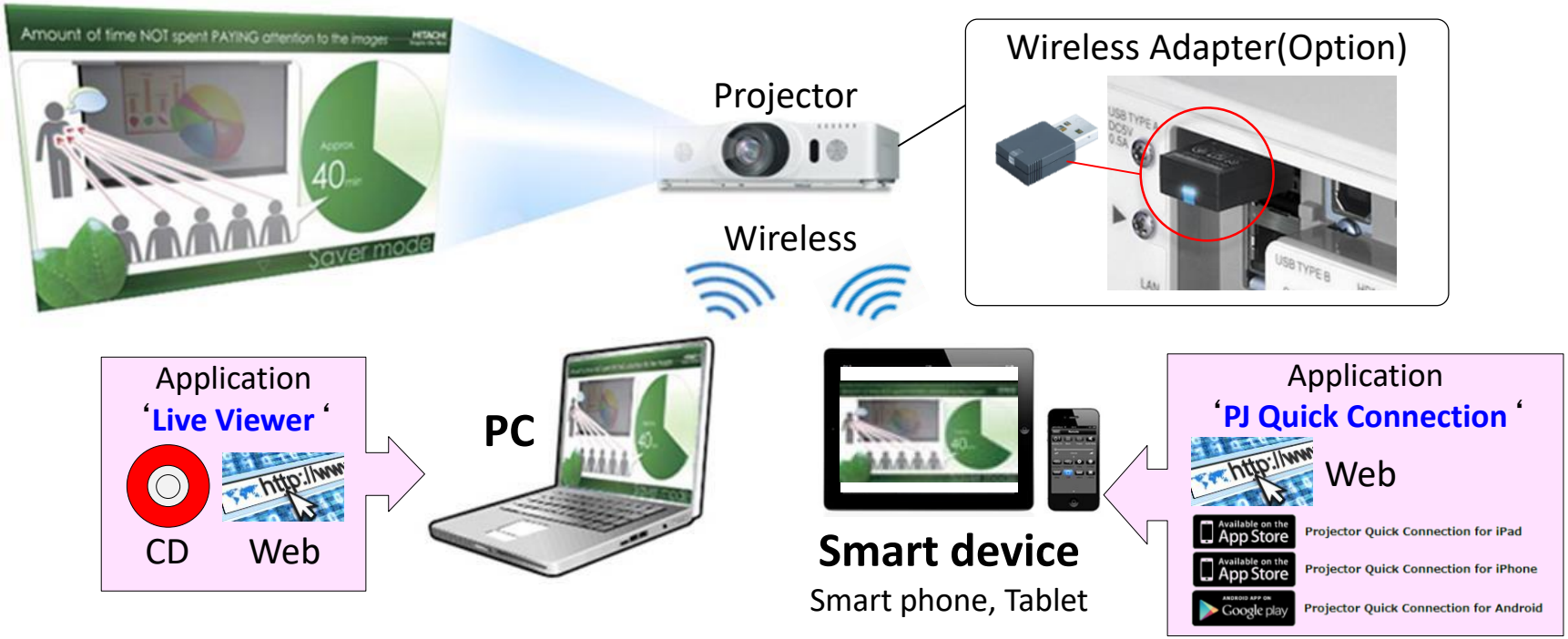
Hitachi's Wireless model projectors can show the image wirelessly via wireless dongle with Hitachi Apps.



2. Wireless LAN Network Standards

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- Hitachi Wireless Adapters are complied with IEEE802.11 as below.

Standard	Speed	Frequency	Wireless Adapter	
			USB-WL-11N	USB-WL-5G
IEEE802.11a	54Mbps	5GHz		✓
IEEE802.11b	11Mbps	2.4GHz	✓	✓
IEEE802.11g	54Mbps	2.4GHz	✓	✓
IEEE802.11n	150Mbps	2.4GHz/5GHz	✓	✓
IEEE802.11ac	433Mbps	5GHz		✓

2.4GHz/5GHz advantage/disadvantage

Band	Advantage	Disadvantage
2.4GHz band	• Higher compatibility • Longer distance	• Slower speed
5GHz band	• Faster data transmission	• Less coverage to not penetrate solid objects such as walls and floors

4. Comparison

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- Wireless Adapter is sold as option parts for each manufacturer.
- NEC’s dongle has HDMI terminal.
- PANASONIC listed optional wireless adapter only for LCD models.

		Hitachi		Epson	Panasonic			NEC
Projector	Model	Current model	New Mode Ⅰ	All	DLP	LCD		All
						All	MZ670series (17/11 release)	
	Frequency	2.4GHz	2.4GHz 5GHz	unknown	—	unknown	unknown	unknown
Optional Parts	Model	USB-WL-11N	USB-WL-5G	ELPA10	—	ET-WM100	ET-WM300	Multi Presenter Stick
	Interface	USB type A	USB type A	USB type A	—	USB type A	USB type A	HDMI
	Frequency	2.4GHz	2.4GHz 5GHz	2.4GHz	—	2.4GHz	2.4GHz 5GHz	2.4GHz

5. Comparison

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- Data speed is increased from 150Mbps to 300 Mbps with USB-WL-5G ⇒ More stable image can be projected.

			HITACHI Old model		HITACHI New model (after 17FY)				Epson
Sales area			WW	Other than Taiwan & Indonesia	WW	WW	Other than Taiwan & Indonesia	Taiwan & Indonesia	
Product	Projector	Model	DD1,D2/D1,F1,G1, A7,A6,E2S,E2-WN, E3-X55/WX50	F1-M	G1B, D2B	E3-WU45	A9,E4,F2,D3, E2E	A9,E4,F2,D3, E2E	All
		Frequency	2.4GHz	2.4GHz/5GHz	2.4GHz	2.4GHz	2.4GHz/5GHz	2.4GHz	unknown
		Media Process	No	Yes	No	No	No	No	No
	USB Wireless Adapter	Model	USB-WL-11N	USB-WL-5G	USB-WL-11N	USB-WL-5G	USB-WL-5G	USB-WL-5G	ELPA10
		Frequency	2.4GHz	2.4GHz/5GHz	2.4GHz	2.4GHz/5GHz	2.4GHz/5GHz	2.4GHz/5GHz	2.4GHz
Application	Win/macOS	LiveViewer	✓	×	✓	✓	✓	✓	✓ iProjection for Win/macOS
		LiveViewer Pro for Win/macOS	×	✓	×	×	×	×	
	iOS/Android	PJ Quick Connection	✓	×	✓	✓	✓	✓	✓ iProjection for iOS/Android
		LiveViewer Pro for iOS/Android	×	✓	×	×	×	×	
Features	Screen Mirroring	Miracast (Not Use App)	No	Yes(433Mbps)	No	No	No	No	No
		Mirroring App (App install: App for Win/macOS)	Yes(150Mbps)	Yes(433Mbps)	Yes(150Mbps)	Yes(300Mbps)	Yes(300Mbps)	Yes(300Mbps)	Yes(150Mbps)
	Contents Projection (App for iOS/Android)	Picture (jpg/bmp/png)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Document (MS Office/iWork/ PDF/TXT)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Video files (mpg/mp4)	No	Yes	No	No	No	No	No
		Music files (mp3/wav)	No	Yes	No	No	No	No	No
	Other	Web Brower	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Remote Controller	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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