

# 2.4GHz radio keypads for voting - COMPETITIVE LANDSCAPE

REPORT PRODUCED JULY 2005

FEATURES	AHM			OTHERS				
	CLIKAPAD CP21	CLIKAPAD CP27	CLIKAPAD <sup>detector</sup>	FLEETWOOD WW	QWIZDOMQ4	CPSrf(e-instruction)	Communicator (IML)	RESPONSECARDrf (TT)
FORM FACTOR								
Credit Card Size	√	√	√				√	√
Traditional size								
WEIGHT	34g/1.2oz	34g/1.2oz	34g/1.2oz	5oz	5oz est.	5oz est.		1oz
RANGE	up to 396ft (120m)	up to 396ft (120m)	up to 396ft (120m)	150ft (46m)	330ft (100m)	150ft (46m)	330ft (100m)	up to 200ft (61m)
# per base	4095	4095	4095	250	1000	1000	not detailed	1000
# of channels	71	71	71	15 spread spectrum	?	15 spread spectrum	? spread spectrum	83
PERFORMANCE per 100pads	<.5sec	<.5sec	not relevant	1sec	<1sec	1sec	not published	not published
DISPLAY								
TYPE LED	√ = CP21							√
7-SEGMENT		√ = CP27	√ = detector	√				
LCD							√	
FUNCTION LED FLASH ONLY	√					√		√
NUMERIC ONLY		√	√	√				
ALPHA ONLY		√						
ALPHA / NUMERIC					√		√	
KEYPAD								
# of KEYS	12	12	3	15	15	15	15	12
STYLE Single Layer Membrane								
Multi-Layer Membrane	√	√	√			√		√
Rubberised/Buttons				√	√		√	√
DUTY CYCLE 100K or less								
estimated greater than 1 million	√	√	√	√	√	√	√	√
BUTTON SIZE Smaller than average								
Average (* see note)				√		√	√	√
Larger than average	√	√	√			√		
Photo-Luminescent keypad	√	√	√					
Battery Type								
CR2032 Coin	√	√	√					√
AA				√	√	√		
Recharge							√	
Batteries Included	√	√	√	X	?	X		√
Unique ID	√	√	√	√	√	√	yes via card	√
Soft ID	√	√	√	√	√	√	√	√
Session ID	√	√	√	√	√	√	√	√
Detection capability								
Piezo Buzzer								
Lanyard fitting	√	√	√				√	
STACKABLE	√	√	√					
FLIGHT SAFE (off during travel in hold)	√	√	√					
KEYPAD SPrice USD\$	89	129	199	139	89	57e	450	89
Base Station SPrice USD\$	599	599		850	450e	350	450	399
KEYPAD SPrice GBP£	50	80	110					
Base Station SPrice GBP£	350	350						
KEYPAD SPrice EURO	75	120	165					
Base Station SPrice EURO	525	525						

## NOTES

All data collected at INFOCOMM 2005 from published materials at that show.

The e-instruction CPSrf is produced by Fleetwood using similar if not identical technology.

We have tried to be faithful to the published material, we trust there are no errors and apologise if there are but accept no responsibility for any such errors. All Resellers and End-User Customers need to satisfy themselves that the details are accurate.

Fleetwood pricing is based on keypads being programmed with soft IDs without batteries.

Qwizdom price is approx as the only published price is a bundle

e-instruction price is based on \$12 sell via bookstore plus \$15 per term (semester), 3 terms (1yr), could be more if used subsequent years.

Average is based on standard Reply® size

Responsecard price is based on two independent third party quotes

e = estimated from bundle pricing

ALL VENDORS retain the right to change their specifications without prior notice so this information could be out of date at the point that you read it.

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