

Specifications

CZ Series	Description	Resolution		Pixel Size	Pitch	Cabinet Size mm	Display Area		Number of characters		Approximate Height of Character for a single line		Carton Size	brightness (candela)	Approximate Weight (Kgs)	Power Used (watts)
		Vertical	Horizontal				Vertical	Horizontal	Minimum	Maximum	Number of Lines	Approximate Height of Character for multi lines				
1	TFI-7 x 80-50 Red Indoor	7	80	5.00	7.62	102*660*50	53	610	13	16	1	53	800*160*110	150	2.00	15
2	TFI-7 x 80-50 Red/Green Indoor	7	80	5.00	7.62	102*660*50	53	610	13	16	1	53	800*160*110	200	2.00	30
3	TFI-7 x 120-50 Red Indoor	7	120	5.00	7.62	102*965*50	53	914	20	24	1	53	1105*160*110	150	3.00	20
4	TFI-7 x 120-50 Red/Green Indoor	7	120	5.00	7.62	102*965*50	53	914	20	24	1	53	1105*160*110	200	3.00	40
5	TFI-7 x 160-50 Red Indoor	7	160	5.00	7.62	102*1270*50	53	1219	27	32	1	53	1410*160*110	150	3.50	30
6	TFI-7 x 160-50 Red/Green Indoor	7	160	5.00	7.62	102*1270*50	53	1219	27	32	1	53	1410*160*110	200	3.50	30
7	TFS-7 x 80-50 Red Semi-outdoor	7	80	5.00	7.62	102*660*50	53	610	13	16	1	53	800*160*110	800	2.00	15
8	TFS-7 x 80-50 Yellow Semi-outdoor	7	80	5.00	7.62	102*660*50	53	610	13	16	1	53	800*160*110	800	2.00	15
9	TFS-7 x 80-50 Green Semi-outdoor	7	80	5.00	7.62	102*660*50	53	610	13	16	1	53	800*160*110	800	2.00	15
10	TFS-7 x 80-50 Blue Semi-outdoor	7	80	5.00	7.62	102*660*50	53	610	13	16	1	53	800*160*110	800	2.00	15
11	TFS-7 x 80-50 White Semi-outdoor	7	80	5.00	7.62	102*660*50	53	610	13	16	1	53	800*160*110	800	2.00	15
12	TFS-7 x 120-50 Red Semi-outdoor	7	120	5.00	7.62	102*965*50	53	914	20	24	1	53	1105*160*110	800	2.70	25
13	TFS-7 x 120-50 Yellow Semi-outdoor	7	120	5.00	7.62	102*965*50	53	914	20	24	1	53	1105*160*110	800	2.70	25
14	TFS-7 x 120-50 Green Semi-outdoor	7	120	5.00	7.62	102*965*50	53	914	20	24	1	53	1105*160*110	800	2.70	25
15	TFS-7 x 120-50 Blue Semi-outdoor	7	120	5.00	7.62	102*965*50	53	914	20	24	1	53	1105*160*110	800	2.70	25
16	TFS-7 x 120-50 White Semi-outdoor	7	120	5.00	7.62	102*965*50	53	914	20	24	1	53	1105*160*110	800	2.70	25
17	TFS-7 x 160-50 Red Semi-outdoor	7	160	5.00	7.62	102*1270*50	53	1219	27	32	1	53	1410*160*110	800	4.40	30
18	TFS-7 x 160-50 Yellow Semi-outdoor	7	160	5.00	7.62	102*1270*50	53	1219	27	32	1	53	1410*160*110	800	4.40	30
19	TFS-7 x 160-50 Green Semi-outdoor	7	160	5.00	7.62	102*1270*50	53	1219	27	32	1	53	1410*160*110	800	4.40	30
20	TFS-7 x 160-50 Blue Semi-outdoor	7	160	5.00	7.62	102*1270*50	53	1219	27	32	1	53	1410*160*110	800	4.40	30
21	TFS-7 x 160-50 White Semi-outdoor	7	160	5.00	7.62	102*1270*50	53	1219	27	32	1	53	1410*160*110	800	4.40	30
22	TFI-16 x 64-37 Red Indoor	16	64	3.73	4.76	122*361*50	76	305	11	13	2	76	505*180*110	150	2.70	13
23	TFI-16 x 64-37 Red/Green Indoor	16	64	3.73	4.76	122*361*50	76	305	11	13	2	76	505*180*110	200	2.70	25
24	TFI-16 x 96-37 Red Indoor	16	96	3.73	4.76	122*516*50	76	457	16	19	2	76	660*180*110	150	4.50	20
25	TFI-16 x 96-37 Red/Green Indoor	16	96	3.73	4.76	122*516*50	76	457	16	19	2	76	660*180*110	200	4.50	40
26	TFI-16 x 128-37 Red Indoor	16	128	3.73	4.76	122*666*50	76	609	21	26	2	76	810*180*110	150	6.00	25
27	TFI-16 x 128-37 Red/Green Indoor	16	128	3.73	4.76	122*666*50	76	609	21	26	2	76	810*180*110	200	3.00	45
28	TFI-16 x 160-37 Red Indoor	16	160	3.73	4.76	122*818*50	76	762	27	32	2	76	962*180*110	150	7.00	33
29	TFI-16 x 160-37 Red/Green Indoor	16	160	3.73	4.76	122*818*50	76	762	27	32	2	76	962*180*110	200	7.00	65
30	TFI-16 x 192-37 Red Indoor	16	192	3.73	4.76	122*971*50	76	914	32	38	2	76	1115*180*110	150	8.00	40
31	TFI-16 x 192-37 Red/Green Indoor	16	192	3.73	4.76	122*971*50	76	914	32	38	2	76	1115*180*110	200	8.00	75
32	TFI-16 x 256-37 Red Indoor	16	256	3.73	4.76	122*1276*50	76	1219	43	51	2	76	1420*180*110	150	8.50	45
33	TFI-16 x 256-37 Red/Green Indoor	16	256	3.73	4.76	122*1276*50	76	1219	43	51	2	76	1420*180*110	200	8.50	90
34	TFI-16 x 64-50 Red Indoor	16	64	5.00	7.62	158*548*50	122	488	11	13	2	122	780*215*110	150	2.00	13
35	TFI-16 x 64-50 Red/Green Indoor	16	64	5.00	7.62	158*548*50	122	488	11	13	2	122	780*215*110	200	2.00	25
36	TFI-16 x 96-50 Red Indoor	16	96	5.00	7.62	158*792*50	122	732	16	19	2	122	1015*215*110	150	2.00	20
37	TFI-16 x 96-50 Red/Green Indoor	16	96	5.00	7.62	158*792*50	122	732	16	19	2	122	1015*215*110	200	2.00	40
38	TFI-16 x 128-50 Red Indoor	16	128	5.00	7.62	158*1035*50	122	975	21	26	2	122	1260*215*110	150	2.00	25
39	TFI-16 x 128-50 Red/Green Indoor	16	128	5.00	7.62	158*1035*50	122	975	21	26	2	122	1260*215*110	200	3.00	50
40	TFI-16 x 160-50 Red Indoor	16	160	5.00	7.62	158*1280*50	122	1219	27	32	2	122	1510*215*110	150	3.00	33
41	TFI-16 x 160-50 Red/Green Indoor	16	160	5.00	7.62	158*1280*50	122	1219	27	32	2	122	1510*215*110	200	3.00	65
42	TFI-16 x 192-50 Red Indoor	16	192	5.00	7.62	158*1524*50	122	1463	32	38	2	122	1755*215*110	150	3.00	40
43	TFI-16 x 192-50 Red/Green Indoor	16	192	5.00	7.62	158*1524*50	122	1463	32	38	2	122	1755*215*110	200	3.00	75
44	TFI-16 x 256-50 Red Indoor	16	256	5.00	7.62	158*2012*50	122	1951	43	51	2	122	2345*215*110	150	9.00	50
45	TFI-16 x 256-50 Red/Green Indoor	16	256	5.00	7.62	158*2012*50	122	1951	43	51	2	122	2345*215*110	200	9.00	90
46	TFS-16 x 64-50 RG Semi-outdoor	16	64	5.00	7.62	158*548*50	122	488	11	13	2	122	780*215*110	1000	3.00	25
47	TFS-16 x 96-50 RG Semi-outdoor	16	96	5.00	7.62	158*792*50	122	732	16	19	2	122	1015*215*110	1000	4.00	40
48	TFS-16 x 128-50 RG Semi-outdoor	16	128	5.00	7.62	158*1035*50	122	975	21	26	2	122	1260*215*110	1000	5.00	50
49	TFS-16 x 160-50 RG Semi-outdoor	16	160	5.00	7.62	158*1280*50	122	1219	27	32	2	122	1510*215*110	1000	6.00	70
50	TFS-16 x 192-50 RG Semi-outdoor	16	192	5.00	7.62	158*1524*50	122	1463	32	38	2	122	1755*215*110	1000	7.00	80
51	TFS-16 x 256-50 RG Semi-outdoor	16	256	5.00	7.62	158*2012*50	122	1951	43	51	2	122	2345*215*110	1000	9.00	100
52	TFS-16 x 64-50 RED Semi-outdoor	16	64	5.00	7.62	158*548*50	122	488	11	13	2	122	780*215*110	800	2.20	13
53	TFS-16 x 64-50 Yellow Semi-outdoor	16	64	5.00	7.62	158*548*50	122	488	11	13	2	122	780*215*110	800	2.50	13
54	TFS-16 x 64-50 Green Semi-outdoor	16	64	5.00	7.62	158*548*50	122	488	11	13	2	122	780*215*110	800	2.50	13
55	TFS-16 x 64-50 Blue Semi-outdoor	16	64	5.00	7.62	158*548*50	122	488	11	13	2	122	780*215*110	800	2.50	13
56	TFS-16 x 64-50 White Semi-outdoor	16	64	5.00	7.62	158*548*50	122	488	11	13	2	122	780*215*110	800	2.50	13
57	TFS-16 x 96-50 Red Semi-outdoor	16	96	5.00	7.62	158*792*50	122	732	16	19	2	122	1015*215*110	800	4.00	20
58	TFS-16 x 96-50 Yellow Semi-outdoor	16	96	5.00	7.62	158*792*50	122	732	16	19	2	122	1015*215*110	800	4.00	20

59	TFS-16 x 96-50 Green Semi-outdoor	16	96	5.00	7.62	158*792*50	122	732	16	19	2	122	53	1015*215*110	800	4.00	20
60	TFS-16 x 96-50 Blue Semi-outdoor	16	96	5.00	7.62	158*792*50	122	732	16	19	2	122	53	1015*215*110	800	4.00	20
61	TFS-16 x 96-50 White Semi-outdoor	16	96	5.00	7.62	158*792*50	122	732	16	19	2	122	53	1015*215*110	800	4.00	20
62	TFS-16 x 128-50 Red Semi-outdoor	16	128	5.00	7.62	158*1035*50	122	975	21	26	2	122	53	1260*215*110	800	5.00	25
63	TFS-16 x 128-50 Yellow Semi-outdoor	16	128	5.00	7.62	158*1035*50	122	975	21	26	2	122	53	1260*215*110	800	5.00	25
64	TFS-16 x 128-50 Green Semi-outdoor	16	128	5.00	7.62	158*1035*50	122	975	21	26	2	122	53	1260*215*110	800	5.00	25
65	TFS-16 x 128-50 Blue Semi-outdoor	16	128	5.00	7.62	158*1035*50	122	975	21	26	2	122	53	1260*215*110	800	5.00	25
66	TFS-16 x 128-50 White Semi-outdoor	16	128	5.00	7.62	158*1035*50	122	975	21	26	2	122	53	1260*215*110	800	5.00	25
67	TFS-16 x 160-50 Red Semi-outdoor	16	160	5.00	7.62	158*1280*50	122	1219	27	32	2	122	53	1510*215*110	800	6.00	33
68	TFS-16 x 160-50 Yellow Semi-outdoor	16	160	5.00	7.62	158*1280*50	122	1219	27	32	2	122	53	1510*215*110	800	6.00	33
69	TFS-16 x 160-50 Green Semi-outdoor	16	160	5.00	7.62	158*1280*50	122	1219	27	32	2	122	53	1510*215*110	800	6.00	33
70	TFS-16 x 160-50 Blue Semi-outdoor	16	160	5.00	7.62	158*1280*50	122	1219	27	32	2	122	53	1510*215*110	800	6.00	33
71	TFS-16 x 160-50 White Semi-outdoor	16	160	5.00	7.62	158*1280*50	122	1219	27	32	2	122	53	1510*215*110	800	6.00	33
72	TFS-16 x 192-50 Red Semi-outdoor	16	192	5.00	7.62	158*1524*50	122	1463	32	38	2	122	53	1755*215*110	800	7.00	40
73	TFS-16 x 192-50 Yellow Semi-outdoor	16	192	5.00	7.62	158*1524*50	122	1463	32	38	2	122	53	1755*215*110	800	7.00	40
74	TFS-16 x 192-50 Green Semi-outdoor	16	192	5.00	7.62	158*1524*50	122	1463	32	38	2	122	53	1755*215*110	800	7.00	40
75	TFS-16 x 192-50 Blue Semi-outdoor	16	192	5.00	7.62	158*1524*50	122	1463	32	38	2	122	53	1755*215*110	800	7.00	40
76	TFS-16 x 192-50 White Semi-outdoor	16	192	5.00	7.62	158*1524*50	122	1463	32	38	2	122	53	1755*215*110	800	7.00	40
77	TFS-16 x 256-50 Red Semi-outdoor	16	256	5.00	7.62	158*2012*50	122	1951	43	51	2	122	53	2345*215*110	800	10.00	50
78	TFS-16 x 256-50 Yellow Semi-outdoor	16	256	5.00	7.62	158*2012*50	122	1951	43	51	2	122	53	2345*215*110	800	10.00	50
79	TFS-16 x 256-50 Green Semi-outdoor	16	256	5.00	7.62	158*2012*50	122	1951	43	51	2	122	53	2345*215*110	800	10.00	50
80	TFS-16 x 256-50 Blue Semi-outdoor	16	256	5.00	7.62	158*2012*50	122	1951	43	51	2	122	53	2345*215*110	800	10.00	50
81	TFS-16 x 256-50 White Semi-outdoor	16	256	5.00	7.62	158*2012*50	122	1951	43	51	2	122	53	2345*215*110	800	10.00	50
82	TFS-32 x 64-50 RG Semi-outdoor	32	64	5.00	7.62	295*557*60	244	488	11	13	4	244	107	640*380*150	1000	6.00	50
83	TFS-32 x 96-50 RG Semi-outdoor	32	96	5.00	7.62	295*801*60	244	732	16	19	4	244	107	890*380*150	1000	8.50	80
84	TFS-32 x 128-50 RG Semi-outdoor	32	128	5.00	7.62	295*1044*60	244	975	21	26	4	244	107	1130*380*150	1000	11.00	100
85	TFS-32 x 160-50 RG Semi-outdoor	32	160	5.00	7.62	295*1289*60	244	1219	27	32	4	244	107	1380*380*150	1000	13.50	130
86	TFS-32 x 192-50 RG Semi-outdoor	32	192	5.00	7.62	295*1533*60	244	1463	32	38	4	244	107	1620*380*150	1000	16.00	160
87	TFS-32 x 256-50 RG Semi-outdoor	32	256	5.00	7.62	295*2031*60	244	1951	43	51	4	244	107	2110*380*150	1000	21.00	200

Multiple Character Display	English characters & other languages all the fonts supported by Microsoft Windows and BMP photos
Brilliant Colors	Available in Blue, Green, White, Amber, Orange, Red, and Multi-Color (Red, Green, Amber, and mixtures of the 3 colors)
Pixel & Pitch	Pixel:3.75mm (Pitch:4.76mm) Pixel:5mm(Pitch:7.62mm)
Serial Communication	RS232, RS485, Ethernet (TCP/IP,UDP/IP)
Programming Access	CUPID software system or the convenient Remote Control
Viewing Angle	Indoor:140 Degree; Semi-outdoor:70 Degree
Memory Capacity	1M for FLASH memory (extendable), 256K for EMS memory(extendable)
Content Memory Duration	FLASH:30-40 years; EMS memory duration :until next re-set
Software Working Environment	Microsoft Windows 9x,NT,2000,XP,2003
Display Speed	7 different display speeds
Display Pattern	50 different display patterns
Information Display	0.1--9999 seconds pause period available; Real-time clock and date display; Multi Time Zone display; Display Sequence and task control are inside the LED Sign
Working Voltage	5V AC
Dual Time Display Formats	12 and 24 hour time display formats available
Working Environment	Temperature:-20--70 , Humidity:0%-95% RH
Display Housing	Black Aluminum