Express Plus Specification Matrix

June 18, 2015

	15" Touch	17" Touch	17" No Touch	19" Touch	19" No Touch	23" Touch
LCD	15" Active Matrix TFT	17" Active Matrix TFT		19" Active Matrix TFT		23" Active Matrix TFT
Resolution	1024 x 768	1280 x 1024		1280 x 1024		1920 x 1080 Full HD
Colors	16.2 million	16.7 million		16.7 million		16.7 million
Brightness	220 nits	260 nits	280 nits	240 nits	300 nits	250 nits
Contrast Ratio	700:1 typical	1000:1 typical	600:1 typical	1000:1 typical	700:1 typical	1000:1 typical
View Angle (H)	140°	160°	170°	178°	160°	178°
View Angle (V)	115°	160°	155°	178°	160°	178°
Panel Response Time	14.5 ms	5 ms	8 ms	14 ms	8 ms	5 ms
Backlight MTBF	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours	40,000 hours
Video Input	HD15 D-Sub DVI-D	HD15 D-Sub DVI-D	HD15 D-Sub DVI-D	HD15 D-Sub	HD15 D-Sub DVI-D	HD15 D-Sub DVI-D
Video Sync	Separate H/V DVI	Separate H/V DVI	Separate H/V DVI	Separate H/V	Separate H/V DVI	Separate H/V DVI
Input Voltage	12VDC Power Brick	12VDC Power Brick	100 / 240 VAC Auto Detect	12VDC Power Brick	100 / 240 VAC Auto Detect	100 / 240 VAC Auto Detect
Power Dissipation	30 Watts	25 Watts	35 Watts	30 Watts	35 Watts	24 Watts
Weight	8 lbs.	10 lbs.	9 lbs.	13.5 lbs	11 lbs.	18 lbs.
Operating Temp	0° to 40° C	0° to 40° C	0° to 40° C	0° to 40° C	0° to 40° C	0° to 50° C
Storage Temp	-20° to 60° C	-20° to 60° C	-20° to 60° C	-20° to 60° C	-20° to 60° C	-20° to 60° C
Humidity	20 to 80 % non-condensing	20 to 80 % non-condensing	20 to 80 % non-condensing	20 to 80 % non-condensing	20 to 80 % non-condensing	20 to 80 % non-condensing
Altitude	10,000 Feet	10,000 Feet	10,000 Feet	10,000 Feet	10,000 Feet	10,000 Feet
Shock	15G, 11ms pulse X/Y/Z axis	15G, 11ms pulse X/Y/Z axis	15G, 11ms pulse X/Y/Z axis	15G, 11ms pulse X/Y/Z axis	15G, 11ms pulse X/Y/Z axis	15G, 11ms pulse X/Y/Z axis
Vibration	.006" pk/pk, 5-57Hz 1G pk, 57-500Hz	.006" pk/pk, 5-57Hz 1G pk, 57-500Hz	.006" pk/pk, 5-57Hz 1G pk, 57-500Hz	.006" pk/pk, 5-57Hz 1G pk, 57-500Hz	.006" pk/pk, 5-57Hz 1G pk, 57-500Hz	.006" pk/pk, 5-57Hz 1G pk, 57-500Hz
Dimensions Panel Mount	17.60"W 13.80"H 2.00"D	18.00"W 15.00"H 2.25"D	18.00"W 15.00"H 2.75"D	19.00"W 15.75"H 2.25"D	19.00"W 15.75"H 2.75"D	23.50"W 14.75"H 2.05"D
Dimensions Rack Mount	N/A	19.00"W 15.75"H 2.25"D	19.00"W 15.75"H 2.25"D	19.00"W 15.75"H 2.25"D	19.00"W 14.00"H 2.40"D	N/A
Touch Technology Available	Resistive or Surface Acoustic	Resistive or Surface Acoustic	N/A	Resistive or Surface Acoustic	N/A	Resistive
Mounting Method	Perimeter Stud 10-32 x 12 places all panel mount versions 19" Equipment Rack 10-32 x 8 places all rack mount versions					Compression Collar
Agency Approvals	Worldwide	Worldwide	N/A	Worldwide	Worldwide	Worldwide
Warranty	3 Years Parts & Labor	3 Years Parts & Labor	3 Years Parts & Labor	3 Years Parts & Labor	3 Years Parts & Labor	3 Years Parts & Labor