

Uticor Tough panel Selection Guide and Specifications

Uticor Tough panel 3.8, 3.5 and 5.7-inch Model Specifications			
Part Number	UTP-04MG-X-X (No Option Card capability)	UTP-04TC-X-X (No option card capability)	UTP-06TC-X-X (No option card capability)
			
Specification	3.8" Monochrome	3.5" TFT Color	5.7" TFT Color
Enclosure	NEMA 4/4X, Class I, Div. II with FDA Compliance, Alumium or Stainless Steel		
Display View Area	3.14" x 2.39" (79.8 x 60.6mm)	2.87" x 2.18" (72.9 x 55.4mm)	4.57" x 3.44" (116.2 x 87.4 mm)
Screen Pixels	320 x 240		
Brightness (Nits)	140	400	
Life (Hours)	50,000	75,000	
Cell Matrix	8 x 6 - 48 resistive cells		16 x 12 for a total of 192 resistive cells
CPU Type	Motorola Coldfire 32-bit, 40 MHz		
Power Supply Required	24VDC (20-30VDC operating range), 1.5A switching		
Power @ 24 VDC (watts)	12 Watts	15 Watts	16 Watts
Approvals	UL, CUL, CE (Pending only Part number change)		
Operating Temp.	0° to 40° C (32 to 113° F)	-20° to 60° C (-4 to 140° F)	
Storage Temp.	-20° to 60° C (-4 to 140° F)		
Humidity	10-95% RH, relative humidity		
Electrical Noise	NEMA ICS 2-230 showering arc ANSI C37.90a-1974 SWC Level C Chattering Relay Test		
Withstand Voltage	1000VDC (1 minute), between power supply input terminal and protective ground (FG)		
Insulation Res.	Over 20 MΩ, between power supply input and terminal and protective ground (FG)		
Vibration	5 to 55Hz 3G for 2 hours in the X, Y and Z axes		
Shock	20G for under 12ms in the X, Y and Z axes		
User Memory - System RAM	512 KB		
User Memory - Exp. RAM	None		
User Memory - Flash	1 MB		
Num. of Screens	Up to 999 limited by memory		
Real Time Clock	None		
Screen Saver	Yes, Backlight off		
Serial Communications	PLC port: RS-232/RS-422/RS-485 15-pin D-sub (female)		
	Download/program port: RS-232/RS-422/RS-485 9-pin D-sub (female)		
	Optional Ethernet for PLC or Programming		
Weight	1.8 lbs for Aluminum, 2.6 for Stainless Steel	1.8 lbs for Aluminum, 2.6 for Stainless Steel	2.3 lbs for Aluminum, 3.3 lbs for Stainless Steel

Uticor Tough panel Selection Guide and Specifications

Uticor Tough panel 5.7-inch Model Specifications		
Part Number	UTP-06WB-X-X - PV700 (Dedicated OS or CE OS, option cards, universal ethernet option)	UTX-06TC-X-X-PVP700 (Dedicated OS or CE OS, option cards, universal ethernet option)
		
Specification	5.7" White on Blue	5.7" TFT Color
Enclosure	NEMA 4/4X, Class I, Div. II with FDA Compliance, Aluminum or Stainless Steel	
Display View Area	4.57" x 3.44" (116.2 x 87.4 mm)	
Screen Pixels	320 x 240	
Brightness (Nits)	140	400
Life (Hours)	50,000	75,000
Cell Matrix	8 x 6 - 48 resistive cells	16 x 12 for a total of 192 resistive cells for Dedicated OS, Analog Resistive for CE OS
CPU Type	Motorola Coldfire 32-bit, 40 MHz for Dedicated OS, Alchemy 333 MHz	
Power Supply Required	24VDC (20-30VDC operating range), 1.5A switching	
Power @ 24 VDC (watts)	12 Watts	16 Watts
Approvals	UL, CUL, CE (Pending only Part number change)	
Operating Temp.	0° to 45° C (32 to 113° F)	-20° to 60° C (-4 to 140° F)
Storage Temp.	-20° to 60° C (-4 to 140° F)	
Humidity	10-95% RH, relative humidity	
Electrical Noise	NEMA ICS 2-230 showering arc ANSI C37.90a-1974 SWC Level C Chattering Relay Test	
Withstand Voltage	1000VDC (1 minute), between power supply input terminal and protective ground (FG)	
Insulation Res.	Over 20 MΩ, between power supply input and terminal and protective ground (FG)	
Vibration	5 to 55Hz 3G for 2 hours in the X, Y and Z axes	
Shock	20G for under 12ms in the X, Y and Z axes	
User Memory - System RAM	512 KB for Dedicated OS and 64MB for CE OS	
User Memory - Exp. RAM	512 KB and 1 MB for Dedicated OS and No expansion on CE OS	
User Memory - Flash	For Dedicated OS: 1MB or 2MB Flash card for user program back-up For CE OS: 2MB internal for HMI application with slot for external compact flash	
Num. of Screens	Up to 999 limited by memory	
Real Time Clock	Built into panel (PLC clock is still accessible if available)	
Screen Saver	Yes, Backlight off	
Serial Communications	PLC port: RS-232/RS-422/RS-485 15-pin D-sub (female)	
	Download/program port: RS-232/RS-422/RS-485 9-pin D-sub (female) for Dedicated OS & additional USB and Ethernet for CE OS	
	For Universal Ethernet models with Dedicated OS: 15-pin D-sub is replaced by Universal Ethernet port	
Weight	2.8 lbs for Aluminum, 3.8 lbs for Stainless Steel	

Uticor Tough panel Selection Guide and Specifications

Uticor Tough panel 8 and 10-inch Model Specifications			
Part Number	UTX-08TC-X-X (Dedicated OS or CE OS, option cards, universal ethernet option)	UTX-10TC-X-X (Dedicated OS or CE OS, option cards, universal ethernet option)	UTX-10TC-X-X-PV1000 (Dedicated OS or CE OS, option cards, universal ethernet option)
			
Specification	8.2" TFT Color	10.4" TFT Color	10.4" TFT Color
Enclosure	NEMA 4/4X, Class I, Div. II with FDA Compliance, Aluminum or Stainless Steel		
Display View Area	6.73" x 5.10" (170.9 x 129.6mm)	8.31" x 6.22" (211.07 x 158 mm)	8.31" x 6.22" (211.07 x 158 mm)
Screen Pixels	640 x 480		
Brightness (Nits)	330	370	370
Life (Hours)	54,000	50,000	50,000
Cell Matrix	16 x 12 for a total of 192 resistive cells for Dedicated OS, Analog Resistive or CE OS		
CPU Type	Motorola Coldfire 32-bit, 40 MHz for Dedicated OS, Alchemy 333 MHz		
Power Supply Required	24VDC (20-30VDC operating range), 1.5A switching		
Power @ 24 VDC (watts)	18 Watts		
Approvals	UL, CUL, CE		
Operating Temp.	-20° to 60° C (-4 to 140° F)		
Storage Temp.	-20° to 60° C (-4 to 140° F)		
Humidity	10-95% RH, relative humidity		
Electrical Noise	NEMA ICS 2-230 showering arc ANSI C37.90a-1974 SWC Level C Chattering Relay Test		
Withstand Voltage	1000VDC (1 minute), between power supply input terminal and protective ground (FG)		
Insulation Res.	Over 20 MΩ, between power supply input and terminal and protective ground (FG)		
Vibration	5 to 55Hz 3G for 2 hours in the X, Y and Z axes		
Shock	20G for under 12ms in the X, Y and Z axes		
User Memory - System RAM	1 MB for Dedicated OS and 64MB for CE OS		
User Memory - Exp. RAM	512 KB and 1 MB for Dedicated OS and No expansion on CE OS		
User Memory - Flash	For Dedicated OS: 1MB or 2MB Flash card for user program back-up For CE OS: 2MB internal for HMI application with slot for external compact flash		
Num. of Screens	Up to 999 limited by memory		
Real Time Clock	Built into panel (PLC clock is still accessible if available)		
Screen Saver	Yes, Backlight off		
Serial Communications	PLC port: RS-232/RS-422/RS-485 15-pin D-sub (female)		
	Download/program port: RS-232/RS-422/RS-485 9-pin D-sub (female) for Dedicated OS & additional USB and Ethernet for CE OS		
	For Universal Ethernet models with Dedicated OS: 15-pin D-sub is replaced by Universal Ethernet port		
Weight	3.8 lbs for Aluminum, 4.8 lbs for Stainless Steel	4.8 lbs for Aluminum, 6.8 lbs for Stainless Steel	6.8 lbs for Aluminum, 8.8 lbs for Stainless Steel

Uticor Tough panel Selection Guide and Specifications

Uticor Tough panel 10 and 15-inch Model Specifications

Part Number	UTX-10TC-X-X-PV1200 (Dedicated OS or CE OS, option cards, universal ethernet option)	UTX-15TC-X-X (Dedicated OS or CE OS, option cards, universal ethernet option)
		
Specification	10.4" TFT Color	15" TFT Color
Enclosure	NEMA 4/4X, Class I, Div. II with FDA Compliance, Aluminum or Stainless Steel	
Display View Area	8.31" x 6.22" (211.07 x 158 mm)	12.02" x 9.01" (305.28 x 228.96 mm)
Screen Pixels	640 x 480	
Brightness (Nits)	370	250
Life (Hours)	50,000	55,000
Cell Matrix	16 x 12 for a total of 192 resistive cells for Dedicated OS, Analog Resistive or CE OS	
CPU Type	Motorola Coldfire 32-bit, 40 MHz for Dedicated OS, Alchemy 333 MHz	
Power Supply Required	24VDC (20-30VDC operating range), 1.5A switching	
Power @ 24 VDC (watts)	15 Watts	20 Watts
Approvals	UL, CUL, CE	
Operating Temp.	-20° to 60° C (-4 to 140° F)	
Storage Temp.	-20° to 60° C (-4 to 140° F)	
Humidity	10-95% RH, relative humidity	
Electrical Noise	NEMA ICS 2-230 showering arc ANSI C37.90a-1974 SWC Level C Chattering Relay Test	
Withstand Voltage	1000VDC (1 minute), between power supply input terminal and protective ground (FG)	
Insulation Res.	Over 20 MΩ, between power supply input and terminal and protective ground (FG)	
Vibration	5 to 55Hz 3G for 2 hours in the X, Y and Z axes	
Shock	20G for under 12ms in the X, Y and Z axes	
User Memory - System RAM	1 MB for Dedicated OS and 64MB for CE OS	
User Memory - Exp. RAM	512 KB and 1 MB for Dedicated OS and No expansion on CE OS	
User Memory - Flash	For Dedicated OS: 1MB or 2MB Flash card for user program back-up For CE OS: 2MB internal for HMI application with slot for external compact flash	
Num. of Screens	Up to 999 limited by memory	
Real Time Clock	Built into panel (PLC clock is still accessible if available)	
Screen Saver	Yes, Backlight off	
Serial Communications	PLC port: RS-232/RS-422/RS-485 15-pin D-sub (female)	
	Download/program port: RS-232/RS-422/RS-485 9-pin D-sub (female) for Dedicated OS & additional USB and Ethernet for CE OS	
	For Universal Ethernet models with Dedicated OS: 15-pin D-sub is replaced by Universal Ethernet port	
Weight	6.8 lbs for Aluminum, 9 lbs for Stainless Steel	8.9 lbs for Aluminum, 11.9 lbs for Stainless Steel