



## Palas Touch Monitor Advantages :

Outstanding 3M quality.

All-glass construction provides vandal resistance and durability against scratches.

The accuracy, durability, and fast touch response expected from a 3M MicroTouch™ ClearTek™ product.

Ideal for Indian conditions as unaffected by environmental contaminants.

3 year warranty.

Local service ensures high uptime.

Available ex-stock in India.

## Product Highlights

- Uses a metal frame for the monitor.
- Meant for harsh environments (high temperatures, dust, vibration, etc.)
- Easy mounting through VESA mount or side mounting points.
- Can be used inside kiosk, fixed to a wall or pole, or integrated into machinery.
- Various colour options and finishes.
- Uses the 3M MicroTouch™ ClearTek™ touch screen.
- Can use the ToughTouch strengthened screen for vandal-prone areas.
- Any monitor size (10.4" to 32")

Touch Screen		
Technology	3M MicroTouch ClearTek II Capacitive (Model x:C-Capacitive, T-ToughTouch)	3M MicroTouch ToughTouch (Model x:C-Capacitive, T-ToughTouch)
Touch Screen Construction	Conductive coating on glass with ClearTek protective overcoat	ClearTek Capacitive with chemically strengthened glass laminated to sensor.
Glass Thickness	3.18mm	8 mm
Input Method	Finger input	Finger Input
Impact Resistance		Meets UL1950 steel ball test for impact resistance
Minimum Contact Requirement	3 milliseconds	
Accuracy	Within 1% of true position	
Touch Resolution	16K * 16K	
Light Transmission	91.5% ± 1.5%	
Surface Finish	ClearTek hard coat with anti-glare and easy glide surface	
Surface Scratch Hardness	Exceeds severe abrasion test per MIL C675C.	
	Scratches by pick of Moh's hardness rating less than 7 do not affect performance.	
	Withstands 10,500 grams force per Balance Beam Scrape Adhesion Mar Tester, MicroScratch test with 10 micron radius tungsten carbide indenter takes a force of 1.8 Newtons.	
Operating Temperature	-15 to 70 deg C	
Humidity	Upto 90% RH from 0 to 35 deg C, non-condensing	
Surface Obstruction	Not affected by surface contaminants like dust, grease, moisture, liquids.	
Chemicals	Resistant to corrosives, as per ASTM D1308-07 & ASTM F-1598-95	
NEMA	NEMA sealable	
Interface	USB / Serial (In model y:U-USB,S-Serial)	
Monitor		
Type	TFT active matrix display	
Active Display Area	338 x 270 mm	
Pixel Pitch	.264mm	
Display Quality	Brightness: 300Cd/m2; Contrast 1600:1	
Resolution	1280 x 1024	
Response Time	8 ms	
Viewing Angle	H 170, V 160	
Connectors	Power: 220VAC, Video: 15 pin D-Sub, analog RGB	
Warranty	3 year	

# PALAS

ISO 9001:2008 Certified

India Master Distributor For

**MicroTouch**  
3M

## Palas Software Pvt. Ltd.

S-74 Okhla Industrial Area, Phase 2, New Delhi 110020, India

Tel: +91-11-41708030 Fax: +91-11-41708037 Email: sales@palas-india.com Web: www.palas-india.com  
Regd Off: B – 39 Kailash Colony, New Delhi 110048, India

Bangalore 93436-86824, Chennai 93600-86824, Hyderabad 93936-86824  
Kolkata 93309-86824, Mumbai 93241-86824, 98205-03354