

# 190BCxM, 190BCxMF, 190BTxM SingleTouch Computer Data Sheet

**PALAS**  
ISO 9001:2008 Certified

<b>Size</b>	<b>48cm (19") 4:3</b>
Models	190BCxM, 190BCxMF, 190BTxM
<b>Touch Screen</b>	
Touch Points	Single Touch
Input Method	Finger, or 3M Smart pen.
Touch Screen	3M MicroTouch™ Surface Capacitive
Touch response time	less than 5.4 ms
Accuracy	> 99% of True Position
Light Transmission	greater than 91%
Touch resolution	16K x 16K with EXII controllers
Surface Finish	Anti-reflective, easy-glide, ClearTek Hard coat
Surface scratch	Hardness MoHS 7 or higher to induce a functions failure
Surface Obstruction	Not affected by surface contaminants like dust, grease, moisture, liquids, paan stains
Chemicals	Resistant to corrosives, as per ASTM D1308-02 & ASTM F-1598-95
Optional Protection	Front face sealable to Nema 4X / IP65 Front protected from sprays of water

<b>Display</b>	
Format	4:3
Display Area (mm)	376 x 302
Pixel Pitch	0.294
Brightness (cd/m <sup>2</sup> )	250
Resolution	1280 x1024
Viewing Angle	H >140, V >140

<b>Processor</b>	
Operating System	Standard Win 7 HB Optional : Win 8 / Win 7 Prof
Processor	Standard Intel i3; Optional i5 / i7
RAM	4 GB
Hard Disk	60 GB SSD
I/O	Standard : 2 x USB, 1xLAN Optional :WiFi, Serial Port, 6 USB, MSR, BarcodeScanner

<b>Others</b>	
Operating Temp	0 - 45° C
Relative Humidity	85% non-condensing
Connectors-Power	220VAC
Power (W) max	150
Touch PC made in	India

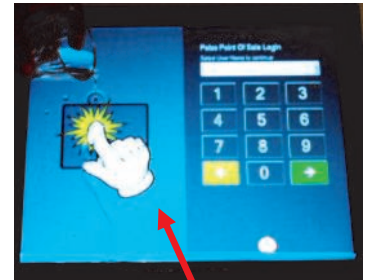
<b>Model Types</b>	
xxxBCxM	Standard model (metal bezel)
xxxBCxMF	Flange model (for panel mount)
xxxBCxMT	High temperature rating
xxxBCxM-U	Ultra high resolution
xxxBTxM	Toughened glass (UL 1950)

**PALAS Single-Touch Computers (BCxx series)**  
Palas Touch computers, based on 3M Capacitive touch technology and electronics, offer fast, accurate touch with a response time of just 5 ms, the world's fastest.

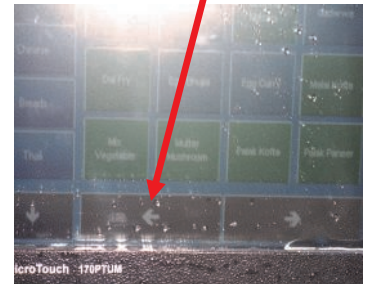
Touch operation unaffected by liquids, dust, dirt, grease

Anti-reflective finish for use in high brightness areas, smooth easy glide surface coating, metal body for hot & harsh environments. All sizes from 15" to 55"

**Made in India**



Optional - Water / liquid spills do not affect operation.



Palas manufactures in India:

- Touchscreen monitors, Touch All-in-ones, 10" to 55"
- Industrial Touch Panel PCs, Rugged touch systems
- POS systems
- Smart Card Readers for ATMs, Kiosks, Vending
- Interactive Digital Signage Systems for Malls, Factories, Buildings


Palas is the Master Distributor in South Asia for:

- Touch Screens from 3M Touch Systems, USA
- Motorized & Dip Smart Card Readers from Sankyo, Japan

Palas is an IIT / IIM alumnus enterprise

 /PalasSoftware



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