

# ORIZON<sup>®</sup> NEXTGEN<sup>™</sup>



## A COMPUTER INSIDE A PRINTER

The ultimate kiosk printer, the Orizon NextGen is a computer inside a printer. Not only is it the quickest and most durable printer of its kind, the Orizon NextGen is also an integration hub – it can integrate and power a wide range of peripherals within a kiosk solution.

### FEATURES

- Includes a Linux operating system
- Prints a ticket in 0.6 seconds
- Print head life 50% more than competitors
- Available with, or without a presenter/retractor
- Multiple USB ports, MicroSD, HDMI, Ethernet
- Unique illuminated jamming resistant bezel
- Truly hot swappable
- Easy paper path access
- Durable, intuitive, modular design
- Diagnostic/firmware upgrade USB service port

### BENEFITS

- Integrate and power your kiosk peripherals
- Greater Customer Satisfaction
- Better Reliability and lower overall cost
- Automatically discards uncollected tickets
- Easy field service and upgrades
- Reduces paper jams for more uptime
- Easy replacement without powering down
- Able to replace paper with little or no down time
- Gives easy access to all major components
- Allows for easy field service and upgrades

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## DIMENSIONS (HxWxD)

- 89 x 118 x 95 mm (Printer Only)
- 144 x 125 x 310 mm (With 152mm, 6", paper roll)
- 89 x 118 x 156 mm (Printer + Presenter)
- 144 x 125 x 371 mm (With 152mm, 6", paper roll)

## WEIGHT

- 1.111Kg (2.45lbs) Printer Only
- 1.452Kg (3.2lbs) Printer + Presenter

## PRINTING CHARACTERISTICS

- Print Speed  
250mm (9.8") per second in text mode(monochrome)  
125mm (5") per second in two-color mode  
640 dots per line  
8 dots/mm (203 dots per inch)  
80mm (3.15") print zone width (near-edge printing)  
8 dots/mm horizontal and vertical



Easy paper path access to load and clear paper

## PAPER/MEDIA

- Type: top-coated thermal sensitive
- Paper width options:
  - 82.5mm (3.25") wide
  - 80mm (3.15") wide
  - 60mm (2.36") wide
  - 58mm (2.28") wide
- Ticket thickness: 2.4 to 3.6 mils (54µm to 90µm)
- Maximum Paper Roll Diameter 6"
- Monochrome or three 2-color choices: red/black, blue/black, green/black
- Minimum paper core width 18mm (0.71")
- Minimum print length 65mm (2.55") w/o Presenter
- Minimum print length 85mm (3.35") w/ Presenter

## POWER REQUIREMENTS

- 24 VDC at 2.4A Maximum (excluding exit lamp)
- Exit lamp: 24 VDC

## RELIABILITY

- Printhead:  
200km or 200 million pulses for monochrome  
(approximately 1,410,000 tickets/receipts)  
200km or 100 million pulses for 2 color
- Cutter: 2 million cuts

## HARDWARE SPECIFICATIONS

- 1 GHz Sitara ARM cortex-A8 RISC Processor
- NEON SIMD Coprocessor
- 4 GB on-board Flash
- 512 MB RAM
- Running Linux TI Distro

## COMMUNICATION INTERFACE OPTIONS

- Bidirectional RS-232 (up to 57.6 kbps)
- 3 Dedicated USB 2.0 Communication Ports  
(2 Type A and 1 Type B mini)
- HDMI port, 720p
- Ethernet Port
- MicroSD Card Reader
- Bluetooth capable
- Netplex, GDS, & ESC/P protocol support available
- Windows and Linux driver

## REGULATORY INFORMATION

- CSA Ulc
- FCC Class B
- CE mark
- ICES

## ENVIRONMENTAL

- Operating temperature: 0 to 70°C (32 to 158°F)
- Storage & shipping temperature: -30 to 70°C (22 to 158°F)
- Operating humidity: 5 to 90% RH (non-condensing)

## PRESENTER / RETRACTOR

- Completes the print before feeding the ticket out of the Kiosk
- The ticket is retracted back into a discard bin within the kiosk if uncollected



# NANOPTIX

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