**RTC5070+**


**RTC HD PC+**


**RTC5070**


**RZCP25**

**Field-tested, failsafe and long-life performance in extreme conditions.** Crystal Group rugged thin and zero clients bring plug-and-play functionality to demanding military and industrial applications in air, on land, and at sea. Maximum network bandwidth virtualization through client-side caching provides superior performance with dual video HD outputs and high-end graphics capabilities all in a small, rugged package. Non-volatile memory provides an "unplug and abandon" capability with a design to survive extreme environments, extreme temperatures, and high shock and vibration.

**Innovative solutions.** Crystal Group's portfolio of rugged and industrial computing products are engineered and tested to withstand challenging environments, meet or exceed military and industrial standards, and provide the latest COTS technologies to best manage cost, availability, upgradability and flexibility.

**Dependable services.** When a computing application requires a custom solution, we deliver with a full range of vertically-integrated services, including product design and development, testing, systems engineering and integration, mechanical and electrical engineering, configuration management, and product life-cycle planning.

**Dedicated support.** Our expert staff and global network provide fast and effective product support when and where it is needed. Count on Crystal Group for fast response times, quick turnarounds, 5+ year warranties, and quality service around the clock and around the globe.

## FEATURES

### Thin Clients

- Quad core AMD GX-420GL, Intel Pentium or Celeron CPU
- Up to 3080x2160 supported resolution
- GB Ethernet and USB 3.0
- Rugged shock and vibration resilient design
- Compact footprint integrates easily in tight spaces

### Zero Client RZCP25

- TERA 2321 PCoIP
- No local OS; extremely secure
- Requires less than 10W of power
- Rugged shock and vibration resilient design
- Compact footprint integrates easily in tight spaces

*A clear advantage.*

## Specifications

| | Thin Client RTC5070 | Thin Client RTC5070+ | Thin Client HD PC+ | Zero Client RZCP25 |
|---|---|---|---|---|
| **Mechanical** | | | | |
| Height | 1.92 in | 3.61 in | 1.70 in | 1.28 in |
| Width | 7.75 in | 5.875 in | 7.45 in | 8 in |
| Depth | 7.62 in, 8.87 in with rear bracket | 7.45 in | 6.00 in | 4.51 in |
| Weight | 3.3 lbs. | Less than 8 lbs | 3.0 lbs | 1.6 lbs. |
| **Cooling** | Forced air convection via internal high reliability fan | | | |
| **Mounting** | 4 pt | 4 pt | Option 1: 4 pt<br>Option 2: Single rack mount kit<br>Option 3: Dual (side by side) rack mount kit | 4 pt |
| **Power Supply** | Option 1: 19 VDC input to device<br>Option 2: 120/240V AC to DC external PSU (Power Brick) | 18-36 VDC<br>DC, EMC compliant to MIL-STD-461, CE102, RE102 | Option 1: 12 VDC input to device<br>Option 2: 120/240V AC to DC external PSU (Power Brick) | Option 1: 12 VDC input to device<br>Option 2: 120/240V AC to DC external PSU (Power Brick) |
| **Memory** | 4-8 GB RAM | 8 GB RAM | 4-16 GB RAM | 512 MB RAM |
| **CPU** | Celeron Quad Core 1.5/2.5<br>Pentium Quad Core 1.5/2.8 | Pentium Quad Core 1.5/2.8 | AMD GX-420GL | Teradici<br>TERA 2321 PCoIP® |
| **Storage** | 16-256 GB SSD | 16 GB EMMC | 32-128 GB SSD | 32 MB Flash |
| **I/O** | 2 or 3 Display port<br>USB 3.0 - 4x rear, 1x front<br>USB 3.1 Type C - 1x front<br>USB 2.0 - 2x front<br>Gigabit LAN interface, SFP option available<br>Audio In/Out | 3 Display port<br>AMD Radeon GPU<br>USB 3.0 - 4x rear, 1x front<br>USB 3.1 Type C - 1x front<br>USB 2.0 - 2x front<br>Gigabit LAN interface, SFP option available<br>Audio In/Out | 1 Display port<br>4 USB 2.0<br>2 USB 3.0<br>Fiber SFP Port<br>Audio In/Out | 1 Display port<br>1 DVI-I<br>4 USB at 2.0 (2 front, 2 back)<br>Gigabit LAN interface<br>Audio |
| **OS** | Windows 10®<br>ThinOS | Windows 10®<br>ThinOS | Thinx OS Linux | Firmware Based ROM |
| **Virtualization Platform Compatibility** | Windows® Hyper-V<br>VMware® ESXi<br>Citrix® | Windows® Hyper-V<br>VMware® ESXi<br>Citrix® | VMWare View Microsoft Remote FX | VMware® ESXi |
| **Electromagnetic Compatibility Standards** | FCC Class A | FCC Class A | FCC Class A | FCC Class A<br>Some standards may require an internal kit |
| **Environmental Standards** | MIL-STD-810, Operational Temperature, Method 501/502 Procedure I/II: -40°C to +71°C[1]<br>MIL-STD-810, Storage, Method 501, Procedure I/II: -40°C to +85°C[1]<br>MIL-STD-810, Humidity, Method 507, Procedure II: 240 hours with humidity kit[1]<br>MIL-STD-810, Altitude, Method 500: 12,500ft operation, 40,000ft transport[1]<br>MIL-STD-810, Vibration, Method 514, Procedure I: 4.63 GRMS, 5-2,000 Hz, 60 min/axis with vibration kits[1]<br>MIL-S-901, Grade B: With shock kits[1] | | | |

1 - Designed to meet standard

**AS9100D CERTIFIED ISO 9001**