


**RTCS070+**

**RTC HD PC+**

**RTCS070**

**RZCP25**

**Field-tested, fail-safe 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 and exceed military standards, and provide the latest COTS technologies and benefits, such as cost, availability, upgradability, and flexibility.

**Dependable services.** When a computing application requires a custom solution, Crystal Group delivers with 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 prompt 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
<b>Mechanical</b>				
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.
<b>Cooling</b>	Forced air convection via internal high reliability fan			
<b>Mounting</b>	4 pt	4 pt	Option 1: 4 pt Option 2: Single rack mount kit Option 3: Dual (side by side) rack mount kit	4 pt
<b>Power Supply</b>	Option 1: 19 VDC input to device Option 2: 120/240V AC to DC external PSU (Power Brick)	18-36 VDC DC, EMC compliant to MIL-STD-461, CE102, RE102	Option 1: 12 VDC input to device Option 2: 120/240V AC to DC external PSU (Power Brick)	Option 1: 12 VDC input to device Option 2: 120/240V AC to DC external PSU (Power Brick)
<b>Memory</b>	4-8 GB RAM	8 GB RAM	4-16 GB RAM	512 MB RAM
<b>CPU</b>	Celeron Quad Core 1.5/2.5 Pentium Quad Core 1.5/2.8	Pentium Quad Core 1.5/2.8	AMD GX-420GL	Teradici TERA 2321 PCoIP®
<b>Storage</b>	16-256 GB SSD	16 GB EMMC	32-128 GB SSD	32 MB Flash
<b>I/O</b>	2 or 3 Display port USB 3.0 - 4x rear, 1x front USB 3.1 Type C - 1x front USB 2.0 - 2x front Gigabit LAN interface, SFP option available Audio In/Out	3 Display port AMD Radeon GPU USB 3.0 - 4x rear, 1x front USB 3.1 Type C - 1x front USB 2.0 - 2x front Gigabit LAN interface, SFP option available Audio In/Out	1 Display port 4 USB 2.0 2 USB 3.0 Fiber SFP Port Audio In/Out	1 Display port 1 DVI-I 4 USB at 2.0 (2 front, 2 back) Gigabit LAN interface Audio
<b>OS</b>	Windows 10® ThinOS	Windows 10® ThinOS	ThinX OS Linux	Firmware Based ROM
<b>Virtualization Platform Compatibility</b>	Windows® Hyper-V VMware® ESXi Citrix®	Windows® Hyper-V VMware® ESXi Citrix®	VMWare View Microsoft Remote FX	VMware® ESXi
<b>Electromagnetic Compatibility Standards</b>	FCC Class A	FCC Class A	FCC Class A	FCC Class A Some standards may require an internal kit
<b>Environmental Standards</b>	MIL-STD-810, Operational Temperature, Method 501/502 Procedure I/II: -40°C to +71°C¹ MIL-STD-810, Storage, Method 501, Procedure I/II: -40°C to +85°C¹ MIL-STD-810, Humidity, Method 507, Procedure II: 240 hours with humidity kit¹ MIL-STD-810, Altitude, Method 500: 12,500ft operation, 40,000ft transport¹ MIL-STD-810, Vibration, Method 514, Procedure I: 4.63 GRMS, 5-2,000 Hz, 60 min/axis with vibration kits¹ MIL-S-901, Grade B: With shock kits¹			

1 - Designed to meet standard

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