RDP Data Center Infrastructure

Enterprise-Grade Building Blocks

Virtualization / Private Cloud | Database / ERP | VDI / Multi-User | Backup + DR

19 Data Center SKUs — Use-case first → Customer picks blocks → Enterprise infrastructure starts

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MAKE IN INDIA

Intel Xeon & AMD EPYC processors — Servers, Storage, Networking, and Management solutions for enterprise data centers

Building Blocks. Use-Case First. Enterprise-Ready.

RDP Data Center Infrastructure brings standardized, reliable building blocks to enterprise data centers — enabling virtualization, business-critical apps, VDI, and backup/DR with predictable performance and lifecycle management.

That is why we have launched 19 Data Center SKUs across 4 enterprise use cases — covering Servers (Intel/AMD), Storage, Networking, and Management solutions.

Built for enterprise outcomes:

✓ Use-case building blocks (Pick use case → Select blocks → Start conversation)
✓ 80/20 flexibility model (80% standardized + 20% tender-specific flexibility)
✓ Predictable lifecycle (Acceptance packs + SLA framework for long-term confidence)

Where DC Infrastructure fits best

DC refresh: VMware/KVM clusters, standardized building blocks for enterprises

Business-critical: SAP/Oracle/SQL databases, ERP systems, transactional apps

VDI deployments: BFSI, PSU, GCC multi-user productivity environments

Backup/DR: Ransomware resilience, compliance-driven retention and restore

Why building-block approach matters

Use-case clarity: Pre-validated blocks for specific workloads

Faster deployment: Known configurations reduce decision time

Predictable support: Acceptance + SLA packs for CIO confidence

Lifecycle simplicity: Warranty, spares, RMA workflows included

→ Intel blocks: Default enterprise choice | AMD blocks: Cost-efficient scale with high core density

How to Choose: Quick Decision Guide

Step A: Identify your primary use case

1. Virtualization / Private Cloud Refresh

VMware/KVM clusters, app servers, shared services

2. Database / ERP & Business-Critical

SAP/Oracle/SQL, transactional systems, core apps

3. VDI / Multi-User Productivity

Banks, PSUs, GCCs, large call centers

4. Backup + DR / Ransomware Resilience

Backup targets, compliance, restore confidence

Step B: Pick the blocks

Use Case	Server Blocks	Storage Blocks	Networking	Management
Virtualization	DC-SRV-2101/02 (default) + optional DC-SRV-1101/02	DC-STG-3101 (default) or DC-STG-3201 (perf)	DC-NET-4101 + 4201 + 4301	DC-MGMT 5101 + 5201
DB/ERP	DC-SRV-2301/02	DC-STG-3201	DC-NET-4101 + 4201 + 4301	DC-MGMT 5101 + 5201
VDI	DC-SRV-2201/02 (+ 2101/02 support)	DC-STG-3201 (recommended)	DC-NET-4101 + 4201 + 4301	DC-MGMT 5101 + 5201
Backup/DR	DC-SRV-2401/02	DC-STG-3401 + optional DC-STG-3301	DC-NET-4101 + 4301	DC-MGMT 5101 + 5201

The 80/20 Rule (Locked):

80% fixed: These model blocks + defined RAM/storage/network bands
20% flexible: NIC/HBA variants, bay count tweaks, redundancy choices, tender constraints

USE CASE 1: VIRTUALIZATION / PRIVATE CLOUD REFRESH

Balanced Virtualization Hosts

Standardized, reliable VMware/KVM-ready DC building blocks

Who needs this?

Enterprises, PSUs, GCC ops, midmarket DC refresh — VMware/KVM clusters, app servers, shared services

What makes it different?

Balanced compute + memory + IO, redundant PSU, expansion-ready PCIe, 2U form factor for flexibility

Virtualization Host (Intel | 2U Balanced)

Model No. DC-SRV-2101

Intel Xeon | 2U Rack

CPU: Intel Xeon (Gen)

RAM: 256GB (Up to 1TB)

Storage: 2×NVMe OS + hot-swap bays

Network: 2×10/25GbE (Up to 4 ports)

PCIe: Expansion ready | PSU: Redundant

OS: VMware/KVM supported

Default virtualization workhorse for most DC refresh projects

Virtualization Host (AMD | 2U Balanced)

Model No. DC-SRV-2102

AMD EPYC | 2U Rack

CPU: AMD EPYC (Gen)

RAM: 256GB (Up to 1TB)

Storage: 2×NVMe OS + hot-swap bays

Network: 2×10/25GbE (Up to 4 ports)

PCIe: Expansion ready | PSU: Redundant

OS: VMware/KVM supported

Cost-efficient virtualization workhorse with strong scale potential

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USE CASE 1: VIRTUALIZATION / PRIVATE CLOUD REFRESH (CONTINUED)

Dense Compute Nodes (1U Scale-Out)

Rack-dense scale-out for app/web tiers and small clusters

Who needs this?

Organizations requiring high rack density, scale-out app tiers, web servers, and small distributed nodes

What makes it different?

1U form factor for maximum density, cost-efficient node expansion, redundant PSU for reliability

Dense Compute Node (Intel | 1U Scale-Out)

Model No. DC-SRV-1101

Intel Xeon | 1U Rack

CPU: Intel Xeon (Gen)

RAM: 128GB (Up to 512GB)

Storage: NVMe OS + limited bays

Network: 2×10/25GbE

PSU: Redundant | OS: VMware/KVM supported

Rack-dense scale-out node for app/web tiers and small clusters

Dense Compute Node (AMD | 1U Scale-Out)

Model No. DC-SRV-1102

AMD EPYC | 1U Rack

CPU: AMD EPYC (Gen)

RAM: 128GB (Up to 512GB)

Storage: NVMe OS + limited bays

Network: 2×10/25GbE

PSU: Redundant | OS: VMware/KVM supported

Rack-dense scale-out node with cost-efficient expansion

USE CASE 1: VIRTUALIZATION / PRIVATE CLOUD REFRESH (CONTINUED)

High-Memory Hosts + Storage Blocks

RAM-heavy consolidation + storage tier options

High-Memory Virtualization Host (Intel | 2U)

Model No. DC-SRV-2201

Intel Xeon | 2U Rack

CPU: Intel Xeon (Gen)

RAM: 512GB (Up to 2TB)

Storage: 2×NVMe OS + high bay count

Network: 2×10/25GbE

PCIe: Expansion ready | PSU: Redundant

OS: VMware/KVM supported

High VM density platform for consolidation + VDI readiness

High-Memory Virtualization Host (AMD | 2U)

Model No. DC-SRV-2202

AMD EPYC | 2U Rack

CPU: AMD EPYC (Gen)

RAM: 512GB (Up to 2TB)

Storage: 2×NVMe OS + high bay count

Network: 2×10/25GbE

PCIe: Expansion ready | PSU: Redundant

OS: VMware/KVM supported

High memory density for VDI/VM consolidation at scale

Hybrid Storage Array (Balanced Tier | HA)

Model No. DC-STG-3101

Hybrid Storage | HA

Controller: Dual-active HA

Cache: SSD/NVMe cache

Capacity: SSD + HDD tiers

Protocol: iSCSI/FC option

Features: snapshots, tiering, replication-ready

Balanced storage tier for general virtualization and mixed workloads

All-Flash Storage Array (Performance Tier | HA)

Model No. DC-STG-3201

All-Flash | HA

Media: NVMe/SSD all-flash

Latency: low | IOPS: high

Controller: Dual-active HA

Protocol: iSCSI/FC option

Features: snapshots, QoS, replication-ready

Performance tier for DB/ERP + VDI + latency-sensitive workloads

USE CASE 2: DATABASE / ERP & BUSINESS-CRITICAL | USE CASE 3: VDI

DB/ERP High-IO Servers

High-IO compute + performance storage for predictability

DB/ERP Use Case

Manufacturing ERP, BFSI core apps, PSU systems — SAP/Oracle/Postgres/SQL, transactional systems

VDI Use Case

Banks, insurance, PSUs, GCCs — High memory + stable storage for consistent user experience

Database Server (Intel | 2U High-IO)

Model No. DC-SRV-2301

Intel Xeon | 2U Rack

CPU: Intel Xeon (Gen)

RAM: 512GB (Up to 2TB)

Storage: NVMe-heavy (OS + data)

Network: 2×10/25GbE (expandable)

PCIe: High expansion | PSU: Redundant

Business-critical DB/ERP node optimized for IO predictability

Database Server (AMD | 2U High-IO)

Model No. DC-SRV-2302

AMD EPYC | 2U Rack

CPU: AMD EPYC (Gen)

RAM: 512GB (Up to 2TB)

Storage: NVMe-heavy (OS + data)

Network: 2×10/25GbE (expandable)

PCIe: High expansion | PSU: Redundant

High-core + high-IO DB/ERP node for performance + expansion

Recommended Storage for DB/ERP & VDI:

DC-STG-3201 (All-Flash Storage | HA): Performance tier required for DB/ERP transactional systems, VDI boot storms, and latency-sensitive applications

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USE CASE 4: BACKUP + DR / RANSOMWARE RESILIENCE

Backup/DR Compute Nodes

Retention + immutability-ready backup stacks

Who needs this?

Every enterprise/DC refresh; compliance-driven organizations — Backup targets, long retention, DR restore testing

What makes it different?

Purpose-built backup compute + capacity storage + immutability features for ransomware resilience

Backup/DR Compute Node (Intel | 2U)

Model No. DC-SRV-2401

Intel Xeon | 2U Rack

CPU: Intel Xeon (Gen)

RAM: 128–256GB

Storage: NVMe OS + expansion bays

Network: 10/25GbE

Role: backup server / DR orchestration

PSU: Redundant

Reliable backup + DR orchestration compute node (restore confidence)

Backup/DR Compute Node (AMD | 2U)

Model No. DC-SRV-2402

AMD EPYC | 2U Rack

CPU: AMD EPYC (Gen)

RAM: 128–256GB

Storage: NVMe OS + expansion bays

Network: 10/25GbE

Role: backup server / DR orchestration

PSU: Redundant

Backup + DR compute node with scalable restore performance

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Backup/DR Storage Blocks

Capacity + immutability for ransomware resilience

Capacity Storage
High-capacity HDD-based storage optimized for backup retention, archives, and long-term storage needs

Backup Appliance
Purpose-built backup platform with immutability features, fast ingest, and retention controls for compliance

Capacity Storage (Retention Tier | HA option)

Model No. DC-STG-3301

Capacity Storage

Media: HDD-heavy

Capacity: high

Throughput: optimized for backup/retention

Protocol: NAS/iSCSI option

Features: snapshots, replication-ready

Retention tier for backup targets, archives, and long-term storage

Backup Appliance (Immutable-Ready | Hardened)

Model No. DC-STG-3401

Backup Appliance

Purpose-built backup target + security posture

Supports immutability patterns (policy-led)

Features: fast ingest, retention controls

Operational simplicity for IT teams

Hardened backup platform for ransomware resilience and compliance

NETWORKING & MANAGEMENT BLOCKS (ALL USE CASES)

DC Networking + Management Packs

Complete infrastructure stack with lifecycle confidence

TOR Switch (10/25GbE | DC Standard)

Model No. DC-NET-4101

Top-of-Rack Switch

Ports: 10/25GbE access + uplinks

Redundancy: stack/MLAG option

Airflow: DC-ready

Standard rack switch for server/storage connectivity (DC default)

Core/Aggregation Switch (25/100GbE)

Model No. DC-NET-4201

Core/Agg Switch

Uplinks: 25/100GbE

Role: aggregation/core

Redundancy: HA pair design

DC backbone for uplinks and inter-rack scaling (future-ready)

OOB Management Switch (1GbE)

Model No. DC-NET-4301

Management Switch

Ports: 1GbE

Role: iDRAC/iLO/BMC isolated mgmt

Simple + reliable

Mandatory isolated management network (BMC/iDRAC/iLO)

DC Acceptance Pack (FAT/SAT + Burn-in)

Model No. DC-MGMT-5101

Acceptance Pack

Includes: burn-in checklist, health checks

Firmware baseline, serial inventory

Acceptance sign-off format

Burn-in + FAT/SAT + baseline docs to reduce escalations

Lifecycle + SLA Pack (Warranty + Support)

Model No. DC-MGMT-5201

Lifecycle Pack

Includes: warranty tiers, spares guidance

RMA workflow, escalation path

AMC/SLA options (SI-led, OEM-backed)

Warranty + spares + RMA + AMC/SLA framework for CIO trust

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MAKE IN INDIA

Built for India.
Ready for Enterprise DC.

RDP Data Center Infrastructure brings standardized, enterprise-grade building blocks to Indian organizations — enabling virtualization, business-critical apps, VDI, and backup/DR while supporting Make in India procurement priorities.

19
DC Infrastructure SKUs
Across 4 Use Cases

80/20
Flexibility Model
Standardized + Flexible

100%
Made in India
Quality Assured

24/7
Enterprise Support
SLA Committed

RDP Technologies Limited
Most Affordable, High Quality, On-Time Support

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Tell us your DC use case + workload + scale requirements

We will recommend the right building blocks and configuration for your data center needs.

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Use Case 1: Virtualization / Private Cloud

Servers: DC-SRV-2101/02, 1101/02, 2201/02

Storage: DC-STG-3101 or 3201

Perfect for VMware/KVM clusters, app servers, shared services

Use Case 2: Database / ERP

Servers: DC-SRV-2301/02

Storage: DC-STG-3201 (All-Flash)

Perfect for SAP/Oracle/SQL, transactional systems, core apps

Use Case 3: VDI / Multi-User

Servers: DC-SRV-2201/02

Storage: DC-STG-3201 (recommended)

Perfect for banks, PSUs, GCCs, large call centers

Use Case 4: Backup + DR

Servers: DC-SRV-2401/02

Storage: DC-STG-3401 + 3301

Perfect for ransomware resilience, compliance, restore confidence

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RDP Technologies Limited | MAKE IN INDIA | Most Affordable, High Quality, On-Time Support

19 SKUs: 10 Servers + 4 Storage + 3 Networking + 2 Management Packs