

Cooling is essential to modern IT environments, but conventional perimeter and raised-floor cooling systems are expensive to operate and difficult to install, especially when retrofitted to existing facilities and smaller spaces. Whether used for primary or supplemental cooling, SmartRack air conditioning units offer an efficient, flexible, manageable alternative that reduces costs and simplifies installation.

Plug-and-Play Cooling Engineered for IT Environments

SmartRack air conditioning units are designed for the needs of the IT department. IT staff can install them without outside assistance, quickly reconfigure them to respond to new challenges and manage them over the network like other IT resources.

COMPACT & EFFICIENT COOLING: SmartRack air conditioning units pack powerful cooling into a compact footprint. They help prevent equipment shutdowns, malfunctions and failures caused by overheating and temperature fluctuations. They also dehumidify and filter air. Close-coupled cooling delivers cold air where it's actually needed instead of wasting energy where it isn't.

SIMPLIFIED INSTALLATION: Units plug into standard NEMA wall outlets and fit almost anywhere. Installation is do-it-yourself simple, with no need for disruptive construction projects, external condensers, refrigerant piping, plumbing, raised floors or costly specialists.

UNATTENDED OPERATION: Units automatically restart after power outages with last-used settings and support automated on/off scheduling. They also include built-in evaporators to prevent condensation from accumulating, so you won't need to empty a water collection tank or install a floor drain.

FLEXIBILITY: Retrofit, reconfigure or expand cooling on the fly to handle new equipment, increasing power density and troublesome hot spots. Direct area cooling through adjustable louvers or use flexible output ducts to focus cold air where it's needed most. Modular cooling means you're always ready for change, which is the one constant in every IT environment.

RESILIENCE: With cooling distributed across multiple units, a single problem won't disable your data center. Engineered to meet the rigorous requirements of high-availability IT environments, SmartRack air conditioning units are also less likely to have problems in the first place.



Using free PowerAlert® software, you can manage multiple units over the network.

MANAGEABILITY: All units support network management, allowing you to monitor temperatures, change settings, define threshold warnings, receive alerts, access logs and automate operation via SNMP, Web, SSH or telnet.

Tripp Lite's award-winning cooling is #1!*



*Top channel vendor for portable AC units per NPD.



SRCOOL7KRM is the first rack-mounted air conditioning unit designed for IT cooling



All models support area cooling through a built-in output vent.



Portable models can also focus cooling through flexible output ducts.



Control panels include a digital display and diagnostic LEDs.

SmartRack Air Conditioning Units



Model	SRCOOL7KRM	SRCOOL12K	SRCOOL18K	SRCOOL24K	SRCOOL33K
Cooling Capacity	7,000 BTU/hr. (2 kW)	12,000 BTU/hr. (3.5 kW)	18,000 BTU/hr. (5.275 kW)	24,000 BTU/hr. (7 kW)	33,000 BTU/hr. (9.7 kW)
Form Factor	8U Rack-Mounted Unit (4-Post Rack-Bottom Mounting)	Compact Portable Unit	Rack-Width Portable Unit	Rack-Width Portable Unit	42U Rack-Width, Row-Based Unit
Recommended Applications	1. Rack Cooling 2. Area Cooling ⁽¹⁾	1. Rack Cooling 2. Spot Cooling 3. Area Cooling 4. Backup Cooling	1. Rack Cooling 2. Area Cooling 3. Backup Cooling	1. Rack Cooling 2. Area Cooling 3. Backup Cooling	1. Rack Row Cooling 2. Area Cooling
Dimensions (H x W x D)	13.9 x 17.35 x 22.52 in. (35.3 x 44.1 x 57.2 cm)	30.63 x 11.81 x 19.88 in. (77.8 x 30 x 50.5 cm)	38.2 x 20.5 x 21.7 in. (97 x 52.1 x 55.1 cm)	38.2 x 20.5 x 21.7 in. (97 x 52.1 x 55.1 cm)	78.5 x 23.63 x 43 in. (199.4 x 60 x 109.2 cm)
Unit Weight	61.6 lb. (27.9 kg)	73.9 lb. (33.5 kg)	175.37 lb. (79.5 kg)	175.37 lb. (79.5 kg)	700 lb. (317.5 kg)
Rolling Casters	No	Yes	Yes	Yes	Yes
AC Input	120V, 60 Hz	120V, 60 Hz	208/240V, 60 Hz	208/240V, 60 Hz	200-240V, 50/60 Hz
Plug Type	NEMA 5-15P	NEMA 5-15P	NEMA L6-20P	NEMA L6-20P	NEMA L6-30P
Cord Length	7 ft. (2.1 m)	6 ft. (1.8 m)	6.56 ft. (2 m)	6.56 ft. (2 m)	10 ft. (3 m)
Refrigerant Type	R410A	R410A	R410A	R410A	R410A
Refrigerant Capacity	18.7 oz. (530 g)	22.4 oz. (635 g)	36.68 oz. (1.04 kg)	42.33 oz. (1.2 kg)	134.04 oz. (3.8 kg)
Dehumidifying Capacity ⁽²⁾	1.25 l/hr. (.33 gal./hr.)	2.5 l/hr. (.66 gal./hr.)	47.3 l/hr. (12.5 gal./hr.)	56.8 l/hr. (15 gal./hr.)	9.46 l/hr. (2.5 gal./hr.)
Air Circulation	198 CFM (337 m ³ /hr.)	329 CFM (560 m ³ /hr.)	634 CFM (1,077 m ³ /hr.)	634 CFM (1,077 m ³ /hr.)	1,200 CFM (2,039 m ³ /hr.)
Nominal Input Current	8.5A	10.5A	10.5A	13.5A	24A
Compressor Type	Rotary	Rotary	Rotary	Rotary	Variable-Speed ⁽³⁾
Audible Noise	57 dB	57 dB	59 dB	65 dB	75 dB
Remote Management	Add SRCOOLNET2	Add SRCOOLNET	Add SRCOOLNET2	Included	Modbus Card Included ⁽⁴⁾
External Sensor ⁽⁵⁾	Included with SRCOOLNET2	Included with SRCOOLNET	Included with SRCOOLNET2	Included	Add ENVIROSENSE ⁽⁶⁾
Close-Coupled Cooling	Yes	Yes	Yes	Yes	Yes
Ozone-Friendly	Yes	Yes	Yes	Yes	Yes
Refrigerant					
Automatic Restart	Yes	Yes	Yes	Yes	Yes
On/Off Scheduling	Yes	Yes	Yes	Yes	Yes
Condensation Evaporator	Yes	Yes	Yes	Yes	Yes
Optional-Use Condensation Drain ⁽⁷⁾	Yes	Yes	Yes	Yes	Yes
Cooling Output Vent	Yes	Yes	Yes	Yes	Yes
Flexible Cooling Output Duct	No	Yes	Yes	Yes (2 Ducts)	No
Flexible Exhaust Duct	Add SRCOOL7KDUCT	Yes	Yes (2 Ducts)	Yes (2 Ducts)	Yes (2 Ducts) ⁽⁸⁾
Self-Contained (Internal Condenser)	Yes	Yes	Yes	Yes	Yes
Installation Kit ⁽⁹⁾	Included ⁽¹⁰⁾	Included	Included	Included	Included ⁽¹¹⁾
Standards	UL 484 (ETL), CSA, NOM, EIA/ECA-310-E, RoHS	UL 484 (ETL), CSA, RoHS	UL 484 (ETL), CSA, NOM, RoHS	UL 484 (ETL), CSA, NOM, RoHS	UL 484 (ETL), CSA, FCC Class A, RoHS

Certifications vary with model. (1) Add SRCOOL7KDUCT for area cooling and other applications requiring an exhaust duct. (2) 86° F (30° C), 80% RH. (3) Variable-speed, DC-inverter-driven compressor saves energy and limits inrush current to 5A. (4) Also supports SNMPWEBCARD, which replaces the included Modbus card. (5) Sensor connects with 12 ft. (3.66 m) cord and reports temperature, humidity and status of dry contact closure inputs. (6) Requires SNMPWEBCARD. (7) Using the condensation drain instead of the condensation evaporator may be required in high-humidity conditions or dehumidification applications. (8) Also includes 2 intake ducts. (9) Includes all parts required for standard installation. May require additional tools. Alternate applications may require additional parts. (10) Add SRCOOL7KDUCT for applications requiring an exhaust duct. (11) Add SRCEILINGADAPT to facilitate connection of ducts to dropped ceiling.



Tripp Lite offers a variety of airflow management and heat removal solutions to help prevent downtime, increase efficiency and reduce operating costs. In addition, SmartRack premium rack enclosures allow abundant front-to-rear airflow and support high-density cable managers to help prevent cable clutter from obstructing rack airflow.

Airflow Optimization & Heat Removal Solutions

SR1UBRUSH	1U Cable Pass-Through Panel with Brush Strip
SR1UPANEL10	Toolless 1U Blanking Panel Kit (10 Pieces)
SR1UPANEL50	Toolless 1U Blanking Panel Kit (50 Pieces)
SR1UPANEL200	Toolless 1U Blanking Panel Kit (200 Pieces)
SRBRUSHWM	Brush Strip Plate for Wall-Mount Cabinets
SRFAN1U	1U Fan Tray with 3 Fans
SRFAN3U	3U Fan Panel with 3 Fans
SRFANROOF	Roof-Mounted Fan Panel with 6 Fans for Floor-Standing Rack Enclosures
SRFANWM	Roof Fan Kit with 2 Fans for Wall-Mount Cabinets
SRGASKET	Rack Enclosure Airflow Optimization Kit
SRSKIRT	Rack Enclosure Skirt Kit
SRSKIRT3	Rack Enclosure Skirt Kit for 3-inch Casters
SRSWITCHDUCT	Rack Enclosure Side Airflow Ducting Kit for Network Switches
SRTHERMDUCT	Thermal Duct Kit for Standard 42-48U Rack Enclosures
SRXUPANEL	4-Size Blanking Panel Kit (1U, 2U, 4U and 8U)

The SRTHERMDUCT thermal duct kit isolates and removes heat like a chimney.

Rack Cable Managers

SRCABLEDUCT1U	1U Horizontal Cable Manager
SRCABLEDUCTVRT	6 ft. Vertical Cable Manager
SRCABLEDUCT1UHD	1U High-Capacity Horizontal Cable Manager
SRCABLEDUCT2UHD	2U High-Capacity Horizontal Cable Manager
SRCABLERING1U	1U Horizontal Cable Manager, Flexible Ring
SRCABLERING2U	2U Horizontal Cable Manager, Flexible Ring
SRCABLERINGVRT	6 ft. Vertical Cable Manager, Flexible Ring
SRCABLETRAY1U	1U Horizontal Cable Management Tray
SRCABLEVRT3	High-Capacity Vertical Cable Manager, 3 in. Wide
SRCABLEVRT6	High-Capacity Vertical Cable Manager, 6 in. Wide
SRCABLEVRT12	High-Capacity Vertical Cable Manager, 12 in. Wide



Toolless 1U blanking panels prevent warm air from recirculating inside rack enclosures.



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