ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Curtiss-Wright / Parvus DuraNET 2955* at our website: ***Click HERE***

Ruggedized Cisco 2955 Catalyst Ethernet Switch, 12 10/100 Switched Ports, 2 Gigabit Uplinks

DuraNET 2955

- Ruggedized Cisco IOS Managed Switch
- 14 Ports (2x GigE, 12x Fast Ethernet)
- Jet-Helicopter Vibration/Shock
- -40°C to +71°C Operating Temp
- Qualified to MIL-STD-810, MIL-STD-461
- Size, Weight & Power (SWaP) Optimized



FEATURES

CISCO TECHNOLOGY
Based on Cisco Catalyst 2955T-12 Industrial Ethernet Switch Technology with Cisco IOS Management

ETHERNET PORTS
- 12x Switched 10/100 (Fast Ethernet) Ports
- 2x 10/100/1000BASE-T (Gigabit) Uplink Ports

MANAGEMENT
- Cisco IOS® with Data, Video, Voice Service Features for Security, QoS, and
- High Availability
- Remote Monitoring (RMON) Software Agent
- Cisco Cluster Management Suite (CMS);
- CiscoWorks SNMP Network Management

NETWORKING
Full Duplex Capability, Fault Tolerance, Uplink, VLAN Support, IGMP Snooping, Manageable

RUGGEDIZED
- Qualified to MIL-STD-810 (Environmental) and MIL-STD-461 (EMI/EMC)
- Ingress Protection Similar to IP65 (Dust Proof, Splash Resistant)
- Designed to Jet-Helicopter Vibration / Shock Levels
- Low Profile, SWaP Optimized Rugged Aluminum Extrusion
- Conductively Cooled w/Custom Internal Heatsinks
- Anodized Coating for Durability
- Connectors: MIL-C-38999 (Power, Console & Ethernet Signals); DB9 (Serial Console Port)

- Civil and Military In-Vehicle Networking
- 24/28V Vehicle/Aircraft Installations
- Situational Awareness / Net-Centric Operations
- Layer 2 Switching in Local Area Network (LAN)
- Cisco IOS-Managed Switch Port Expansion for DuraMAR Router

The DuraNET® 2955 is a ruggedized version of the Cisco 2955T-12 Ethernet switch, a fully managed industrial-grade network switch offering 12 Fast Ethernet ports, 2 Gigabit Ethernet uplinks, and Cisco IOS® software functionality for traditional data, video and voice services with enhanced intelligent services features for additional security, advanced Quality of Service (QoS), high availability, and manageability. Administrators can easily configure features, monitor performance, and troubleshoot using a standard Web browser.

Developed for military and harsh mobile applications, the Commercial-off-the-Shelf (COTS) DuraNET 2955 features mechanical packaging enhancements designed for MIL-STD-810 airborne environmental compliance and high reliability, as well as MIL-STD-461 EMI/EMC conditions. The unit has been specially hardened to improve ingress, impact, and shock/vibration protection, as well as eliminate all moving parts through passive cooling, and interface through sealed MIL-C-38999 circular connectors. Leveraging best-in-class switching and management technology from Cisco, the DuraNET 2955 serves as a robust COTS solution for providing local area network (LAN) connectivity to IP-enabled computing and net-centric devices. Compact in size, the DuraNET 2955 is particularly useful for expanding port density to tactical IP routers, such as the DuraMAR, in space-constrained airborne and ground vehicle environments.

Parvus

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

DuraNET 2955

Ruggedized Cisco 2955 Catalyst Ethernet Switch, 12 10/100 Switched Ports, 2 Gigabit Uplinks



Rear View



Side View



Front View

Specifications

CISCO TECHNOLOGY	• Ruggedized Cisco Catalyst 2955T-12 (Industrial-Grade Switch with Fast Ethernet and Gigabit Ethernet Connectivity for Deployment in Harsh Environments) • Cisco IOS Operating System with Enhanced Image (EI) Supporting Traditional Data, Video and Voice Services with Enhanced Intelligent Services Features for Additional Security, Advanced QoS, High Availability, and Manageability
PORTS	• Twelve (12) 10/100 ports and Two (2) 10/100/1000BASE-TX (Copper) Uplinks • RS-232 Serial Console
PERFORMANCE	• 4.8 Mpps wire speed forwarding rate • 6.4 Gbps maximum forwarding bandwidth • Configurable up to 8000 MAC addresses • MAC Address Table Size: 8K entries
STANDARDS COMPLIANCE	• IEEE 802.1d Spanning Tree Bridge • IEEE 802.1p LAN L2 QoS/CoS Traffic Prioritization Protocol • IEEE 802.1s Multiple Spanning Tree Protocol (MSTP) • IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) • IEEE 802.1x Port Access Control for WLANs • IEEE 802.3 10 Mbps 10BASE-T (Ethernet) • IEEE 802.3ab 1000BASE-T 1000 Mbps (Gig Ethernet) • IEEE 802.3ad Link aggregation Control Protocol (LACP) • IEEE 802.3u 100BASE-TX 100 Mbps (Fast Ethernet) • IEEE 802.3x Flow Control • IEEE 802.1Q Virtual LANs (VLAN)
SECURITY	• Layer 2, Layer 3, Layer 4 Incoming Traffic Flow Access Control Filtering • Private VLAN Edge Port Security and Unicast MAC Filtering • 802.1x VLAN Assignment, Port Security Authentication • SSHv2 and SNMPv3 Encryption • Spanning-Tree Root Guard (STRG) and Bridge Protocol Data Unit (BPDU) Guard • Mult-Level Console Access Security • TACACS+ and RADIUS Authentication • IGMP Filtering for Multicast Authentication • SPAN Support for Intrusion Detection Systems • Cisco Network Assistant Software Security Wizard
POWER	• Voltage Input: 24V DC Nominal (18-32V) • Compliance: MIL-STD-704D • Power Consumption: 15W Typical • Overload Protection: Over 1.5 Times Normal Current • Ground: Grounding Lug for Connection to System Chassis Ground
EMI / EMC	Tested & Qualified to MIL-STD-461D: • Conducted Emissions, CE102, Power Leads, 10 KHz to 10MHz, Basic Curve, Figure CE102-1 • Conducted Susceptibility, CS101, Power Leads, 30 Hz to 150 KHz, Curve 2, Figure CS101-1 • Conducted Susceptibility, CS114, Bulk Cable Injection, Table III, CS114 limits for Army Ground • Conducted Susceptibility, CS116, Damped Sinusoidal Transients, Cables& Power Leads, Figures CS116-1, CS116-2 • Radiated Emissions, RE102, Electric Field, 10 KHz to 18 GHz, Navy Mobile and Army Curve, Figure RE102-3 • Radiated Susceptibility, RS103, Electric Field, 2MHz to 18 GHz, 50V/m, Table IV, RS103 limits for Army Ground
ENVIRONMENTAL	Tested & Qualified to MIL-STD-810F/G, 202G, 516: • Operating Temperature: -40° to +71°C (-40° to +160°F) -MIL-810G, Methods 501,502 • Storage Temperature: -40° to +85°C (-40° to 185°F) - MIL-810G, Methods 501,502 • Thermal Shock: MIL-810G, Methods 501.5, 502.5 • Diurnal Thermal: MIL-810G, Procedure 503.5 • Operating Vibration: 0.022-G²/10-Hz to 0.0026-G²/2000-Hz, 1 Hr/Axis (Jet-Helicopter Profile, MIL-810F, Meth 514.5) • Transportation Vibration: Mil-STD-202G, Condition A, 3 Hrs/Axis • Operating Shock: 40g, 11ms, 3 pos/neg per axis, 18 terminal peak sawtooth pulses (MIL-810G, Method 516) • Non-Operating Shock: 10g, 50ms pulses, 3 pos/neg per axis, MIL-STD-202G, Method 213B • Handling Shock: MIL-STD-516.5, Procedure 2 • Operational Altitude: Up to 15,000 feet (4,572 meters) - MIL-STD-810G, Method 500 • Humidity: Up to 98% RH, Non-Condensing - MIL-810G, Section 2.6.3, Procedure II-Aggravated cycle, Fig 507.5 • Fungus: MIL-STD-810G Method 508.6
PHYSICAL	• Dimensions (LxWxH): 10.48" (266.19mm) x 6.745" (171.32mm) x 3.20" (81.28mm) - including Connectors & Hardware • Ingress Protection Similar to IP65 (Dust Proof, Splash Resistant) • Weight: Approx. 7 lbs (3.2 kg) • Installation: Four 10-32 Mounting Holes on Bottom • Chassis: Aluminium Alloy 6061-6063, Corrosion Resistant • Finish: Black Anodize (MIL-A-8625, Type II, Class 2) • Cooling: Passive Natural Convection. Internal Conductive Heatsinks. No Moving Parts. • Tall/Large Components are Securely Potted in Place for Enhanced Shock/Vibration Resistance
RELIABILITY	• MTBF: Calculated per MIL-HDBK-217F: 225,124 Hours or 25.7 Years (@25°C Ground Benign) • No Moving Parts; Passive Cooling, Potted Components for Enhanced Shock/Vibration Resistance
ACCESSORIES	• Starter Cable Breakout Set to RJ-45 (with Mating MIL-C-38999 and DB-9 Connectors, 5 ft Length)
WARRANTY	Standard 90-Day Return to Depot Warranty; Multi-Year Extended Service Agreements Bundling Cisco SmartNET Available (for Access to IOS Software Upgrades/Updates)

Note: The information in this document is subject to change without notice and should not be construed as a commitment by Parvus / Eurotech. While reasonable precautions have been taken, Parvus assumes no responsibility for any error that may appear in this document. All trademarks or registered trademarks are the properties of their respective companies.

Parvus
A member of Eurotech Group

Parvus Corporation 3222 Washington Street
Salt Lake City, UT 84115 – USA
Phone (800) 483-3152 (801) 483-1533
Fax (801) 483-1523 – email: sales@parvus.com
www.parvus.com

EUROTECH
www.eurotech.com

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP