2021

OVERVIEW

ADVANCED PROGRAMS, INC.

your **information**
assurance partner

Advanced Programs, Inc.
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ADVANCED PROGRAMS, INC.

PRODUCTS

TEMPEST
MARKET LEADERSHIP

- Over 75% US market share
- Over 50% worldwide market share
- Largest Installed Base
    - Over 43,000 units shipped in 2020
    - Over 125,000 units currently installed
    - API products currently operating at over 1,000 sites in more than 200 countries
    - Largest industrial concentration of TEMPEST/MIL-STD Testing Resources (Certified personnel and test chambers)

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API FACILITIES

Headquarters
7125 Riverwood Drive, Columbia, MD 21046
Tel: 410-312-5800 | Fax: 410-312-5850
www.advprograms.com
Email: info@advprograms.com

Sales, Engineering Design, Manufacturing, Customer Service

Cyber Assurance Services
Three Ponds Business Park,
7090 Columbia Gateway Drive, Suite 150,
Columbia MD 21046.
Tel: 410-312-5842
www.advprograms.com

Commercial/Government Test Services

Salem, N.H.
21A Northwestern Drive
Salem, New Hampshire 03079
www.advprograms.com

Engineering Design, Manufacturing, Customer Service

API Europe
Vanitec House,Cornbrash Park,
Chippenham, Wiltshire, SN14 6RA, UK
Tel: +44 (0) 1249 448777
Fax: +44 (0) 1249 448765
www.api-europe.com

Sales, Customer Service, Logistics Support

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API CORPORATE PROFILE

- ❯ NSA Certified Engineering, Manufacturing & Test Sites
- ❯ Corporate wide ISO 9001 Certified Engineering & Manufacturing Processes
- ❯ 150 Employees (US Citizens, 80% actively cleared)
- ❯ Senior level Quality Focus w/ 11 Dedicated Quality Assurance Personnel

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THIN CLIENTS

A D V A N C E D   P R O G R A M S ,   I N C .

HL1-t630 HP® All-in-One Thin Client
TEMPEST Level I

- Based on a HP® t630 Thin Client
- Fan-less, totally silent
- Dual DisplayPort Monitor Support
- Available with Integrated DisplayPort Red/Black KVM switch
- Integrated HID Global Omnikey 3121 Smart Card Reader.
- Comes with Windows Embedded Standard 7E (32-bit)
- Processor; AMD GX-420GI SOC; 2.0 - 2.2 GHz quad-core with a Radeon UHD based graphics core.
- No VGA, display port interface included
- Flash; 16GB Flash and DDR4L-2400SD
- TEMPEST USB D15 Keyboard and D9 Mouse, 3 x USB 2.0, 100MB/s SC Fiber network interface.

- Active thermal management monitors component operating temperatures, throttles APU operation if appropriate, and prevents unit thermal shutdown.
- Auto-sensing power supply with US plug
- Replaces the t620 Thin Client

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WORKSTATIONS

A D V A N C E D   P R O G R A M S ,   I N C .

DWT-109-71L1 USFF Workstation TEMPEST Level I

- Intel®Core™ i76700TE with Intel HD Graphics 530
- Ultra Small Form Factor
- Single or dual display port or fiber optic video interface for single or dual monitor support
- Removable Solid State Drives

- 8GB RAM upgradable to 32GB
- Up to 4 USB Ports
- Energy efficient
- Certified with a variety of peripheral options including headsets, webcam, PKI readers

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7070/7080 Dell Workstation TEMPEST Level I

- Intel® Core™ i5-9500 (6 Cores/9MB/6T/up to 4.4GHz/65W) upgradable to Intel® Core™ i7-9700 (8 Cores/12MB/8T/up to 4.8GHz/65W); supports Windows 10/Linux

- Integrated Intel® HD Graphics 630

- 8GB (2x4GB) 2666MHz DDR4 Memory. Upgradable to 64GB

- 256GB SATA 6Gb/s 2.5" self-encrypting drive Solid State Drive

- DVD+/-RW 9.5mm Optical Disk Drive

- 100 MB and 1GB fiber optic network interface support

- Windows 10 Pro 64bit

- Intel® Q370 Chipset

- Government approved integrated smart card reader that is field replaceable

- Peripheral options include: TEMPEST certified headsets, Webcam, trackball mouse, standard optical mouse, standard keyboard and ergo keyboard

- Industry leading three-year warranty

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PERIPHERALS & ACCESSORIES
TEMPEST Level I

TEMPEST ERGO KEYBOARD	**TEMPEST TRACKBALL MOUSE**	**TEMPEST SMART CARD**

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SECURE VTC

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VL1-KITPLUS Cisco Video Teleconferencing TEMPEST Level I

- Auto-sensing 110/220
- VL1-KITPLUS is based on the Cisco® Spark Room Kit Plus
- Precision HD Spark Quad Camera, which supports up to 3840 x 2160p60 (4Kp60)
- Cisco Spark Codec Plus, Cisco Spark Quad Camera, Cisco TelePresence Touch 10, Wall mount for Quad Camera and 100mb fiber network interface. Option upgrades for 4-channel audio breakout box, headsets, second LCD, up to three Tabletop microphones, 1 Gb/s fiber optic speeds and MultiSite (embedded multipoint) L-KIT-MS (L-ROOM-PAK).

- Detects and switches between active speakers and provides ideal framing
- H.264, H265/SIP up to 6 Mbps
- 100 MB/S Fiber-SC Network Interface
- Performance Mic 20
- Remote Control
- Easy provisioning and self-configuration with Cisco ® Unified Communications Manager (CUCM), Cisco ® TelePresence Video Communications Server (VCS), or Cisco ® WebEx TelePresence
- Industry leading one-year warranty

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VL1-SX10 Cisco Video Teleconferencing TEMPEST Level I

- VL1-SX10 is based on the Cisco® TelePresence Quick Set SX10
- Precision HD 1080p30 camera, 5x zoom which supports up to 720p30 from 768 kbps
- Transforms a flat panel display into a 1080p high definition meeting space
- Available with 23" monitor
- Auto-sensing 110/220 device
- Standards-compliant 1080p solution compatible with standards-based video without loss of features

- Video standards H.263, H.263+, and H.264
- 100 MB/S Fiber-SC Network Interface
- Performance Mic 20
- Remote Control
- Easy provisioning and self-configuration with Cisco ® Unified Communications Manager (CUCM), Cisco ® TelePresence Video Communications Server (VCS), or Cisco ® WebEx TelePresence
- Industry leading one-year warranty

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VL1-KITMINI Video Teleconferencing TEMPEST Level I

- A smaller venue conferencing system with a discreet, integrated camera
- Great audio experience with integrated microphones and speakers
- Video standards H.264 and H.265
- Audio standards: G.711, G.722, G.722.1, G.729, AAC-LD, and Opus
- Automatic noise reduction
- Automatic Gain Control (AGC)
- Internal microphones

- One HDMI input supports formats up to maximum 4K (3840 x 2160) at 30 fps, including HD1080p60
- Industry leading one-year warranty

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VTC PERIPHERALS & ACCESSORIES
TEMPEST Level I

| DAT-602 TEMPEST POSITIVE DISCONNECT SWITCH | DAT-604 TEMPEST WEBCAM | AL1-185 TEMPEST HEADSET (push-to-talk) |

MOUNTING OPTIONS

| LCD STAND | DESKTOP | WALL MOUNT |

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TEMPEST & TSG PHONES

A D V A N C E D   P R O G R A M S ,   I N C .

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8 8 4 1   V o I P   P h o n e
T E M P E S T   L e v e l   I   &   T S G

- Cisco's Next Generation 8841 Series Phones
- Intuitive easy to use telephony design
- Standard commercial software and CUCM management
- 800 x 480, 24 bit color, 5 in. WVGA display
- 5 line; 12 fixed and programmable feature keys
- Single & Dual 100 Mb fiber
- Status Lamps /Secure Hold
- TEMPEST/TSG "Red Phone" available
- TSG CNSS 5001 Compliant Security Measures - Class A
- JITC Certified
- EL1-8841-06L1, Cert. #: TSG-A-21-2016 (1) ST 100Mb Red Phone

- Speaker phone disabled, Microphone removed
- Industry leading one-year warranty

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8 8 4 1   V o I P   P h o n e
T S G   A / B

- Cisco's Next Generation 8841 Series Phones
- Intuitive easy to use telephony design
- Standard commercial software and CUCM management
- 800 x 480, 24 bit color, 5 in. WVGA display
- 5 line; 12 fixed and programmable feature keys
- Single 100 Mb fiber or 10/100/1000 BASE T LAN
- Status Lamps /Secure Hold with Optional Mute Key
- TSG CNSS 5001 Compliant Security

Measures - Class A or Class B
- JITC Certified
- Industry leading one-year warranty

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8851 VoIP Phone
TSG A/B

- Cisco's Next Generation 8851 Series Phones
- Intuitive easy to use telephony design
- Standard commercial software and CUCM management
- 800 x 480, 24 bit color, 5 in. WVGA display
- 5 line; 12 fixed and programmable feature keys
- Single/dual 1Gb /100 Mb fiber, or 10/100/1000 BASE T LAN/PC Ports
- Status Lamps /Secure Hold with Optional Mute Key
- TSG CNSS 5001 Compliant Security Measures - Class A or Class B

- JITC Certified
- Key Expansion Module available
- Industry leading one-year warranty

8851 standard & TSG features identical other than KEM

KEM Option for up to 36 additional lines

KEM Expansion Security Plug

EM-8851-14X API-8851 Class A TSG-A-34-2016

On Hook Transducer Isolation

Remove Soft Mute/Hold Buttons

Add Hard Secure Hold Button

Add "Active" Status LED

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8 8 3 1 C o n f e r e n c e P h o n e
T S G A / B

- The industry's first TSG compliant conference phone
- TSG prevents on hook eavesdropping
- Cyber attack safeguards
- Wireless features REMOVED
- Wired microphones
- 10/100 Ethernet 10/100 Base T LAN Interface
- Hard Secure Hold buttons on base and wire Microphones

- Secure Hold & "Active" Status LEDs
- Power over Ethernet with Power Injector or Power Supply
- Available in Class A or Class B
- Copper or Fiber interfaces available
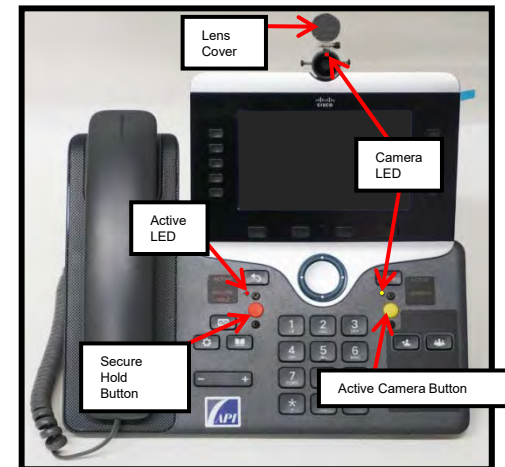- Industry leading one-year warranty

EM-8831-13

DECT Wireless REMOVED

"Active" Status LED

EM-8831 Class A Fiber and PoE

Hard Secure Hold Buttons Cert. # TSG-A-15-2017

8865 Video Phone
TEMPEST & TSG, TSG

API's TEMPEST version of the 8865 is the only one of its kind on the market today.

- Cisco's Next Generation Video Phone
- 720p HD video and wideband audio for crystal clear voice communications
- Encrypted voice communications for enhanced security
- 720p HD video (encode and decode)
- H.264 and Cisco Application Visibility and Control (AVC)
- 800 x 480, 24 bit color, 5 in. WVGA display
- 5 line; 12 fixed and programmable feature keys
- Single/dual 1Gb /100 Mb fiber (Class A TEMPEST, Fiber and PoE only)
- 10/100 BASE T LAN/PC PoE (Class A Cu)
- Status Lamps /Secure Hold and Camera Active with Optional Mute Key

- TSG CNSS 5001 Compliant Security Measures – Class A
- Key Expansion Module available
- Optional Headset available
- Industry leading one-year warranty

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TSG Phone Accessories

Phone & KEM Wall Mounts

Colored Bezels as visual cues to eliminate domain confusion

Power supplies & Power Injectors

TEMPEST & Privacy headsets with & w/o PTT to minimize risk of conversation eavesdropping.

Push to talk handset designed with a single pole single throw switch to minimize risk of conversation eavesdropping

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PRINTING AND IMAGING

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PL1-M577 HP® Color LaserJet MFP Digital Sender/Copier/Printer TEMPEST Level I

- Certified to NSTISSAM TEMPEST/1-92 Level I and NATO SDIP-27 A standard (formerly AMSG 720B)
- Print Speed: Up to 40 ppm
- On-board OCR to transfer scans into editable text and save in a variety of file types
- Pullout keyboard for faster, more accurate data entry
- Scan to SharePoint, email, network folder – no PC or software required

- sheet multipurpose tray 550-sheet input tray 2, 250-sheet output bin, convenience stapler.
- Standard duplexing
- Secure 500GB AES-256 encrypted removable hard drive
- Print Resolution: 1200 x 1200 dpi
- **110V or 220V voltage specific models**

- Connectivity: Fiber network, 100SC
- Smart Card Reader
- 8" Display
- Industry leading one-year warranty

Paper Handling: Input: 100-

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PL1-M454DN HP® M454DN Color LaserJet Printer TEMPEST Level I

- Certified to NSTISSAM TEMPEST/1-92 Level I and NATO SDIP-27 A standard
- Print speed of up to 28 ppm black and 28 ppm color
- Print resolution of 600 by 600 dpi
- Automatic Two-sided printing
- 512 MB memory

- Paper Handling: 50-sheet multipurpose tray, 250-sheetinput tray 2, 150 sheet output bin. Optional 550-sheetinput tray 3
- First page out as fast as 9.3 sec black/11.3 sec color
- 110V or 220V voltage specific models

NETWORKING

A D V A N C E D   P R O G R A M S ,   I N C .

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NL1-C385024S Cisco® 3850 24-Port Switch
NL1-C385012S Cisco® 3850 12-Port Switch
TEMPEST Level I

- Fiber Transceiver SFPs;GLCGE100FX (100Mb fiber), GLCSXMMD (1G fiber), SFP-10GSR (10G fiber)Flexible NetFlow and switch-to-switch hardware encryption with the Service Module uplink
- IPv4 and IPv6 routing, Multicast routing, advanced quality of service (QoS), and security features in Hardware

- Single universal Cisco IOS ® Software image across all license levels, providing an easy upgrade path for software features.
- 480 Gbps of stack throughput
- 4 GB DRAM
- 2 GB Flash

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NL1-4331 Cisco® Integrated Service Router TEMPEST Level I

- Two standard SFP slots with 2 100mb GLC-GE-100FX SFP modules (upgradable to two 1G - LC SFPs GLC-SX-MMD). Optional upgrade to 4 total SFP slots via TEMPEST certified NIM-2GE-CU-SFP module
- Default memory double-data-rate 3 (DDR3) error-correction-code (ECC) DRAM (Combined control/services/data planes); 4 GB upgradable to 16GB

- US standard power interface with EU and

NEMA 6-20 power options
- Aggregate Throughput; 100 Mbps to 300 Mbps
- Power-supply; AC - 100 to 240 VAC auto ranging - 50 to 60 Hz - 3 to 1.3A - 60 A peak and less than 5 Amps per half cycle.

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NL1-9300-24S Cisco® 24-Port Switch TEMPEST Level I

- 24 x 1G SFP (Small Form Factor Pluggable) Ports slots, two Cisco StackWise-480 stacking ports, one USB 2.0 slot to load system images and set configurations (USB 2.0 slot hardware secured and administrable by API design), one network module slot for optional network module (C9300-NM-4G: Expansion of 4 x 1G SFP module slots)
- Dual-stack support for IPv4/IPv6 and dynamic hardware forwarding table allocations, for ease of IPv4-to-IPv6 migration

- Dual redundant (optionally available), modular power supplies and fans
- Certified for use with Fiber Transceivers;GLC-GE-100FX (100Mb fiber) and GLC-SX-MMD (1G fiber), and

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SERVERS

A D V A N C E D   P R O G R A M S ,   I N C .

SL1-DL380G10 HP ProLiant Generation 10 (G10) Server
T E M P E S T   L e v e l   I

- Intel® Xeon® Gold 5118 (2.3GHz/12-core/105W) x2
- 384 GB MEM (DDR4-2666)
- HPE Smart Array P816i-a SR GEN 10
- x4 Fiber LC 10Gb IPv6
- Optical Drive DVD-RW
- 2 SFF Drive Bays- 16 x 2.5 SFF hot-plug

- iLO 1GSX LC
- 2-port 12Gbs SAS for LTO
- Dual HPE 800W Hot Plug Power Supply
- Integrated Field Replaceable Smart Card Reader

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ML1-Console Rackmount KVM Console TEMPEST Level I

- 2U LCD Console Drawer designed for a 19" rack
- Sturdy, steel construction for long lasting use and reliability
- 19" LCD screen
- Fully functional keyboard and touchpad with buttons
- Fully compatible and tested with API's SL1-DL380G10 server offering

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API Tempest Maintenance Training

Facts

- Complimentary TEMPEST Maintenance certification training and factory tours at our R&D/Manufacturing plant located in Salem, New Hampshire
- Should you desire training at a regional location, please ask your Account Executive for Details. We can provide a proposal based on customer needs
- Virtual Training is Available, please ask your Account Executive for details

Benefits

- Direct access to factory technicians and service manuals
- Ability to troubleshoot and repair beyond the tamper labels
- Significantly reduces product downtime
- Significantly reduces shipping costs as equipment is now able to be serviced in the field
- Compliments TEMPEST destruction course
- Lifetime Certification

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