DOBLE CYBERSECURITY SOLUTIONS

TRANSIENT CYBER ASSET PROGRAM

Managed Transient Cyber Assets

PROACTIVE SOFTWARE AND SECURITY UPDATES FOR CYBER SECURE FIELD COMPUTERS

FEATURES AND BENEFITS

- Central, proactive deployments of software updates and security patches on TCAs
- In-depth defense that meets or exceeds NERC CIP requirements for TCA computers
- Multiple security controls for each requirement of NERC CIP-10
- TCA configuration baselining and configuration change management
- Web portal for visibility of TCA fleet, on-demand NERC CIP compliance evidence, and program support from Doble experts
- Scalable and configurable
- Use Doble TCAs or your company's TCAs
- Considerable cost and resource savings compared to in-house TCA management

The Doble Transient Cyber Asset Program™ is an innovative solution that helps utility IT personnel maintain cyber security without disrupting field crews. This managed program from Doble ensures software updates and security patches are deployed to Transient Cyber Assets (TCAs) proactively from a platform that supports the software needed in the field. Utilities bolster cyber security defenses in their field operations while gaining supervisory control that improves their NERC CIP compliance readiness.

Cyber defense experts from Doble consult with utility teams to identify software applications that field personnel require for test and maintenance work. The Doble TCA Program accepts and can support any legacy or latest software. Approved applications become included in gold images on TCA computers that equip different field crews with the specific software they need.

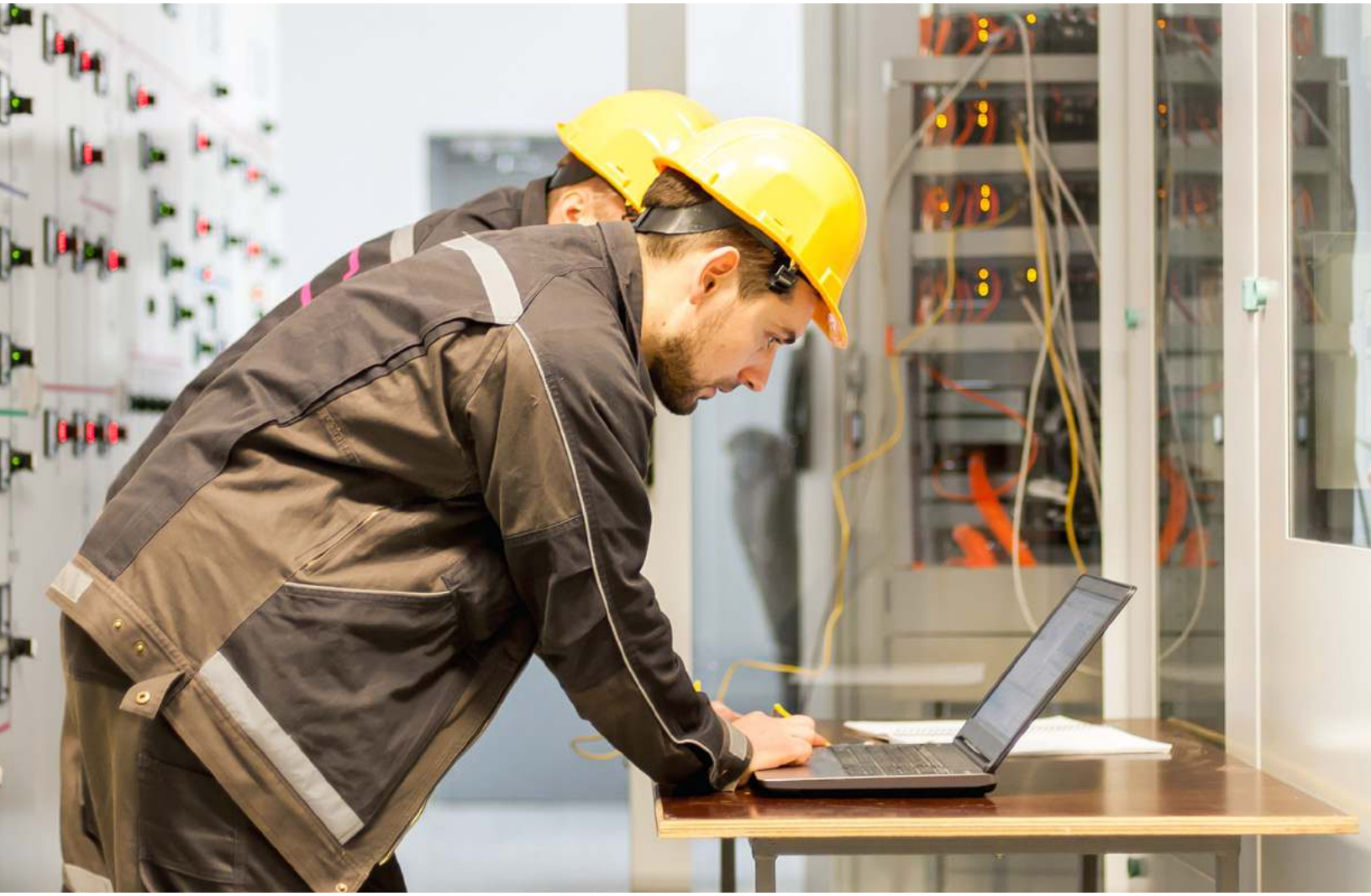
TCA computers that Doble offers are ruggedized for field use and are hardened against cyber threats. They can be used with any vendor's test gear, and they do not allow internet traffic or email. Network Mode is used for upload/download operations through the Security Portal™ on the defense-in-depth network hosted by Doble. Test Mode is used when operating the TCA during test and maintenance procedures on cyber assets.

Leverage the Doble TCA Program in your protection system testing and maintenance operations to ensure compliance with NERC CIP-10 and NERC CIP-5 mandates. Administration and support are simplified with the powerful Security Portal that gives visibility of mission-critical information and provides on-demand NERC CIP compliance evidence. The Doble TCA Program is customizable, scalable, and will even work with your own company-issued TCA computers.

SCAN ME

THE DOBLE TRANSIENT CYBER ASSET PROGRAM™

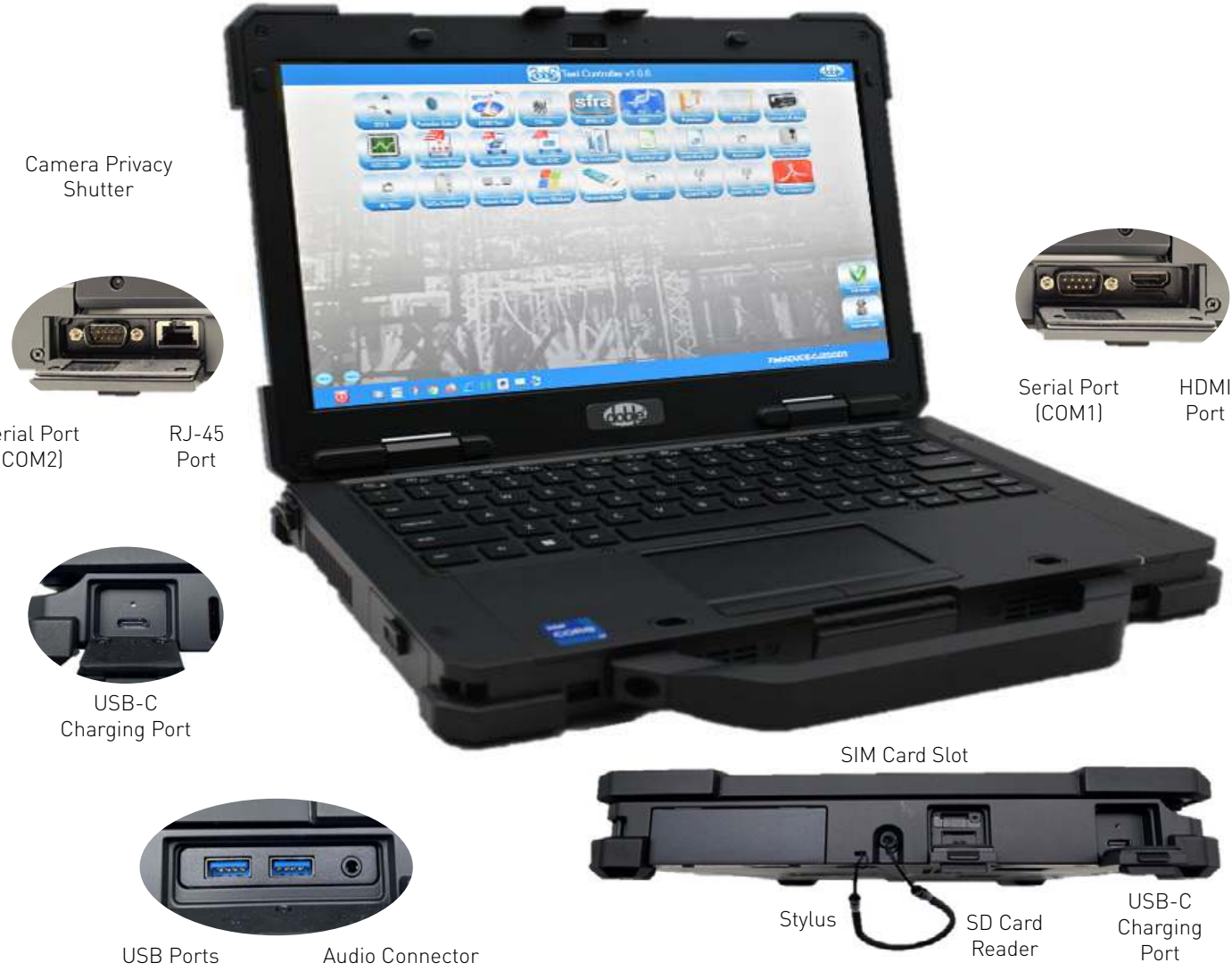
The Doble Transient Cyber Asset Program offers specially spec'd laptop computers that are ruggedized for field use. Doble TCAs feature cyber security hardening that meets or exceeds NERC standards for transient cyber assets.



Network Mode for secure upload/download operations and live support sessions.

Test Mode for interfacing with cyber devices like computerized protective relays during test and maintenance operations.

Customer Care for on-demand remote support.



DOBLE UNIVERSAL CONTROLLERS — ULTRA RUGGED TCA COMPUTERS

- Dedicated TCA that does not allow email or internet
- Non-disruptive to field workers — supports whitelisted applications and performs transparent patching/updating
- Convenient app-style interface and custom data/results management
- Live assistance — users can interact with support personnel securely in live sessions
- Sealed doors and compression gasketing for superior device and data protection
- Independently tested to military standards and can withstand 6' drops
- Display is readable in sunlight and low light conditions and features resistive touch that works with gloves on
- Thermal management allows device to be operated in high temperatures
- Long battery life
- Designed to automatically work with Doble software products and user administration
- Universal — one device to operate all your test software and test equipment

DOBLE TCA COMPUTER TECHNICAL INFORMATION

General Specifications	Processor	Intel® Core™ Processor i7-1185G7, QC, 3.0 to 4.3 GHz, 28W, vPro
	Display	13.3" Touch 1400 Nits WVA FHD (1920 x 1080) 100% sRGB AntiGlare, Outdoor Viewable, Stylus included English US Non-backlit Sealed Internal keyboard
	Memory	32GB 4266MHz LPDDR4x
	Operating System	Windows 11 Pro, English, French, Spanish
	Graphics	Intel Core vPro i7-1185G7, 32GB memory, with Iris Xe Graphics
	Storage	512GB PC le NVMe Class 40 solid state drive
	Batteries	Primary and Additional 3 Cell 53.5 Whr ExpressCharge Capable
	Power	90W 461G Type-C EPEAT Adapter with E5 US Power Cord
	Multimedia	Mic + IR FHD camera for WWAN/WLAN antennae with POGO High-quality speaker, integrated noise-reducing array microphones, stereo headphone/microphone combo jack, optional integrated FHD video webcamera with privacy shutter
	Ports	Additional TBT/Type-C port Additional RS-232 rear port LJSB 3.0 (3). native RS-232 serial ports (2). RJ-45 gigabit Ethernet network connectors (2). stereo headphone/microphone combo jack, pogo-pin docking connector, VGA, HDMI
	Dimensions	(WxDxH) 13.96" x 10.04" x 2.02" (353.5 x 255 x 59.3 mm)
	Weight	7.60lbs. (3.45 kg) when configured with a single 3-cell battery (no handle, no optical drive)
	Input	Customizable RGB backlit keyboard Optional rubberized RGB backlit keyboard (English only) Resistive touchpad Resistive single-point gloved-capable touch screen
	Connectivity	10/100/1000 gigabit Ethernet and triple RF-passthough (GPS, mobile broadband and WLAN)
	Wireless LAN	Intel AX210 WLAN Driver Intel AX210 Wireless Card with Bluetooth
	Mobile Broadband	DW5930E w/o eSIM WWAN Card Qualcomm SDX55 5G-NR for Verizon
	GPS	Dedicated u-blox NEO-MQN GPS card
Environmental Specifications	MIL-STD-810G Testing	Transit drop (72",60".48"; single unit; 78 drops). operating drop (36"). blowing rain, blowing dust, blowing sand, vibration, functional shock, humidity, salt fog (with rubberized keyboard). altitude, explosive atmosphere, solar radiation, thermal extremes, thermal shock, freeze/thaw, tactical standby to operational
	Operating Thermal Range	-20°F to 145°F (-29°C to 63°C)
	Non-operating Thermal Range	-60°F to 160°F (-51°C to 71°C)
	IEC 60529 Ingress Protection	IP-65 (dust-tight, protected against pressurized water)
	Hazardous Locations	ANSI/ISA.12.12.01 certification capable1 (Class I, Division 2, Groups A B, C,D)
	Electromagnetic Interference	MIL-STD-461 F certified[1]

[1]Based on testing and certification to MIL-STD-810G, IEC 60529 (IP-65), MIL-STD-461F, and ANSI/ISA 12.12.01 standards, performed and reported independently by accredited testing companies. ANSI/ISA 12.12.01 must be specified at time of order for certification.

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