DOBLE ACCESSORIES

DUC™

Doble Universal Controller™

AN ULTRA RUGGED, RELIABLE CONTROLLER FOR ALL YOUR DOBLE TESTING

The Doble Universal Controller™ is a ultra rugged tablet device powerful enough to operate Doble's suite of high voltage test equipment and software solutions while being tough enough to withstand the rigors of electrical field testing.

The DUC™ provides the processing power necessary to run advanced software in the field. It is designed for durability and is built to withstand the same tough requirements of Doble's test equipment. Testing is even possible in full sunlight thanks to its bright, transreflective display.

FEATURES

- Withstands operational 4' drop to concrete and operational 7' drop to plywood
- Fully submersible (up to 30 minutes)
- Impenetrable to dust and debris
- Operates in -30°F to 140°F temperatures
- Crash-resistant with magnesium alloy chassis, 26 direction bumper protection, non-moving SSD drives
- Intel® i5- 4300 Processor with Turbo Boost
- Sunlight readable screen
- Built-in Bluetooth
- Integrated 4G LTE communications equipped
- Full shift battery life - up to 8.5 hours

BENEFITS

- Use as part of your field-force automation and data management program
- Convenient app-style interface
- Designed to automatically work with Doble software products and user administration
- One tablet to operate your Doble software and test equipment

DUC™ TECHNICAL SPECIFICATIONS

GENERAL SPECIFICATIONS	
Fully Rugged	Multi-layered magnesium chassis MIL-STD-810G and IP67 tested Hazardous Location Certified Piston Sealing, Rugged SSD Cartridge
Processor	Intel® Core™ i5-4300U processor Turbo Boost Technology (2.9 GHz)
Display	10.4" XGA (1024x768) rugged LED backlit display Transreflective sunlight readable display, 1300 NIT Automatic light sensor, NVIS compatible
Memory	4 GB DDR3L (1600 mHz)
Operating System	Genuine Microsoft® Windows® 8.1, 64-bit
Battery	Up to 8.5 hour battery life
Power Supply	Auto-sensing 100-240 V, 50-60 Hz supplying 19 VDC
Integrated Communications	LAN: 10/100/1000 Gigabit Ethernet (RJ-45) WIRELESS LAN: Intel® 7260 (802.11 ac) Integrated Mobile Broadband Equipped BLUETOOTH: 4.0
Collaboration	Integrated Barcode Ready 5 Megapixel digital camera (front and rear-facing)
Ports	AC/DC power Docking connector USB 3.0 (x2) RJ-45 Combination Headphone/speaker and microphone 9-pin Serial port (RS232/RS422/RS485) MicroSD and SIM socket (tool-less removable door)

ENVIRONMENTAL SPECIFICATIONS	
	Independently-tested to MIL-STD-810G
Operating Temperature	-30° F to 140° F (-34° C to 60° C)
Storage Temperature	-60° F to 160° F (-51° C to 71° C)
Humidity	3% - 95% non-condensing
Thermal Shock	-60° F to 160° F (-51° C to 71° C)
Blowing Rain	4"/hr (101.6 mm/hr), 40 mph wind, 30 min. per side
Blowing Sand and Dust	30 mph wind source, 30 min.
Vibration	Minimum Integrity, Vehicle Vibration, US Highway Truck Vibration
Salt Fog	5% saline exposure, 48 hr exposure
Altitude	50,000 ft (15240 m) operating
Other Tests	Functional and Crash Shock, Contamination by Fluids, Fungus and Solar Radiation

BEYOND MIL-STD-810G	
Transit Drop - Operating	4' (1.22 m) drop direct to concrete while system is operating, 26 drops
Transit Drop - Operating	7' (2.13 m) drop direct to plywood over concrete while system is operating, 26 drops
IEC Ingress Testing	IEC (60529) Ingress Tested to an IP67 standard Submersion-Resistant, Dust-Tight

EMISSIONS, IMMUNITY, & SAFETY	
Emissions	FCC Part 15, CE Mark EN55022 (CISPR22) Class B, E-Mark(XDock)
Immunity	EN55024, ENG6100-3-3
Safety	UL and EN60950-1 2nd Ed, ATEX/IECEx Zone 2/Category 3 Compliant, UL 1604 (ANSI/ISA 12.12.01-2012, CSA C22.2 no.2013-M 1987 (R2008)) Class I/ Division II (Z: A, B, C, and D) Certified
Other	ROHS, 5-Star Energy Compliant

Specifications are subject to change without notice.
Doble is ISO certified.
Doble is an ESCO Technologies Company.
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