

# Leica iCON CC80

Rugged, lightweight controller  
for uncompromising site work



**icon**  
intelligent construction

Leica iCON CC80 controller is the world's thinnest and lightest fully-rugged 7" Windows® tablet. It is built to enable easy, mobile work on-site and increase worker productivity without compromise. Powered by Windows® 8.1 Pro and an Intel® Core i5 processor, Leica iCON CC80 features a long life, user-replaceable battery and a daylight readable multi-touchscreen with high sensitivity for easy operation in all conditions. With the broad range of iCON software configuration options and flexible communication, the iCON CC80 is the ideal controller for site workers and foremen.

- Large 7" sunlight readable multi-touchscreen for convenient operation
- Microsoft Windows® 8.1 operating system, enables 3<sup>rd</sup> party applications as well
- Various wireless communication possibilities (Bluetooth®, Wi-Fi and integrated 3G/4G multi-carrier mobile broadband) for use with different sensors and internet access
- Fully rugged design for use in toughest conditions (MIL-STD-810G, IP65)
- Long life battery pack (up to 16 hours)
- Highly productive positioning work with Leica iCON site and Leica iCON build application software



# Leica iCON CC80

Rugged, mobile tablet PC



## Technology

<b>Processor &amp; Memory</b>	Intel® Core™ i5-4302Y vPro™ processor - 1.6GHz with Intel® Turbo Boost up to 2.3 GHz - 3MB cache 4GB SDRAM (DDR3L-1333MHz)
<b>Data Storage</b>	128GB solid state drive (SSD) with heater
<b>Operating System</b>	Microsoft Windows® 8.1 Pro 64-bit
<b>Screen</b>	7" widescreen, 1280x800 resolution, colour TFT, 500 cd/m <sup>2</sup> (Nits), sunlight readable resistive capacitive touch display
<b>Keyboard &amp; Buttons</b>	Power button, volume button, auto-rotate button, 1 programmable button, 10-point multi-touch, supports gloved touch and gestures and capacitive stylus pen; Stylus pen with integrated holder in rotating hand strap; On-screen QWERTY soft keyboard
<b>I/O Ports</b>	1x USB 3.0; 1x DC power input; Docking connector (24 pin); 1x audio out, mini-jack stereo; integrated microphone and speaker

## Communication

<b>Integrated Communication Modules</b>	Integrated 3G/4G multi-carrier mobile broadband (depending on country variant) Intel® dual band wireless AC7260 Wi-Fi 802.11a/b/g/n/ac Bluetooth® v4.0 (Class 1) + EDR
<b>Integrated GPS</b>	L1 GPS integrated (depending on country variant)
<b>Integrated Camera</b>	2MP front webcam with microphone, 5MP rear camera with auto focus and LED light
<b>TPS 1-man-mode working range <sup>1)</sup></b>	Typical 150m (490 ft); up to 200m (650 ft) with direct line of sight

<sup>1)</sup> Requires long-range Bluetooth handle on TPS and Standard Bluetooth on CC80. Range varies depending on local conditions.

## Power Management

<b>Batteries</b>	Li-Ion "Long life" battery pack: 7.2V, typical 7100mAh, minimum 6800mAh
<b>Power</b>	Input: 120-240 VAC, 50-60 Hz Output: 16 V DC, 3,75A
<b>Operating Time</b>	Long life battery pack: 16h (benchmark), 8h (max. load test) <sup>2)</sup>

## Physical Specifications

<b>Size</b>	203 mm (7.98") x 132 mm (5.20") x 25 mm (0.98"), incl. Long life battery
<b>Weight</b>	640 g (1.41 lbs), incl. Long life battery
<b>Water</b>	IP65
<b>Altitude</b>	12,192 m (40,000 ft), MIL-STD-810G, Method 500.5, Procedure II
<b>Operating Temperature Range</b>	Specified: -10°C (14°F) to 50°C (122°F) Verified: -29°C (-20°F) to 60°C (140°F), MIL-STD-810G, Method 501.5/502.5, Procedure II
<b>Storage Temperature Range</b>	Specified: -20°C (-4°F) to 60°C (140°F) Verified: -51°C (-60°F) to 71°C (160°F), MIL-STD-810G, Method 501.5/502.5, Procedure I
<b>Humidity</b>	95% RH temp cycle 30°C (86°F)/60°C (140°F) MIL-STD-810G, Method 507.5, Procedure II
<b>Drop</b>	Free to plywood 26 drops from 1.5 m (60") MIL-STD-810G, Method 516.6, Procedure IV.
<b>Vibration</b>	General minimum integrity and helicopter minimum integrity test, MIL-STD-810G, Method 514.6, Procedure I, II;

## Accessories

External 4-bay battery charger, docking station (cradle), 12/24V vehicle charger, additional 7100mAh battery, pole and vehicle mount solutions, anti-glare screen protectors, hand strap, stylus

<sup>2)</sup> In continuous field operation mode, may vary with temperature, battery age etc.

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**Leica iCON site/iCON build**  
Easy-to-use construction field software. Designed for construction workers.



**Leica iCON gps 60**  
Versatile SmartAntenna for multi-purpose positioning tasks.



**Leica iCON robot 60**  
One-person operation, saving time and increasing productivity when carrying out layout tasks and as-built checks.



**Leica Builder**  
Intuitive, powerful and scalable manual total station series for routine construction tasks on site.



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