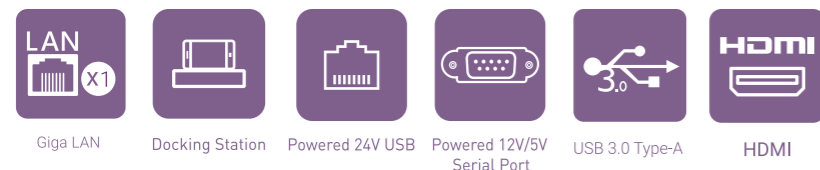# Cappuccino

Intel® Apollo Lake Pentium N4200E

Feature

- **11.6" Windows® Tablet w/ 2K Resolution**
- **Extra Light (<900g w/ entry SKU)**
- **IP65**
- **MIL-STD-810G on 1.2m Drop Proof, S&V, High/Low Temperature**
- **Hot-Swappable Battery**
- **4.2 hrs Battery Life w/ 19.53Whr Battery**
- **Honeywell Software Decode Scanner 1D/2D (Optional)**
- **WiFi ac/a/b/g/n, GPS & LTE(Support by Request)**
- **NFC Module**
- **HW TPM2.0 FIPS 140-2 Level 2 Compliance**
- **Accessory for Cable Cover w/ Docking Station**
- **Adjustable View-angle Docking Station**
- **Accessory for I/O Connectivity**
- **Accessory for Vehicle Mounting VESA 75mm**

MIL-STD-810G Drop Proof	Battery Hot-Swappable	IP65	4G LTE	WiFi
TPM2.0	NFC/SCR module	1D/2D BCR	Light Weight	

Accessory Feature

Giga LAN	Docking Station	Powered 24V USB	Powered 12V/5V Serial Port	USB 3.0 Type-A	HDMI

Accessory Model

Cappuccino Docking Station(with additional Cable Cover)

Cappuccino Extension Cover (w/ VESA 75mm mounting)

Ordering Information

Model Number	OS	CPU	LCD Brightness	RAM	Storage	WiFi/BT	GPS	TPM	Main Battery	Operating Temperature	Power Supply	NFC
Tablet Standard Config	Win10 IoT 2016	Intel N4200E	300nits	4GB	64GB SSD	ac/a/b/g/n BT4.2	Ublox IC	HW TPM 2.0	19.53Whr	-10°C ~ 50°C	19V/65W Adapter +Power Cord	NFC Reader (NXP NPC300)

Model Number	OS	LCD Brightness	RAM	Storage	LTE	MainBattery (Spare Hardpack Battery)	Barcode Scanner
Tablet Optional Config	Linux CentOS 7	500nits	8GB	256GB SSD	CAT4 (Sierra Module)	19.53Whr	Software Decode (Honeywell SwiftDecode)

Note: Optional Config Support by Request

Model Number	Docking Station	Extension Cover
Accessory	Docking Station with additional Cable Cover	Extension Cover with VESA 75mm Mounting

Note: Including additional 24V/180W

Cappuccino Fully-Rugged Tablet

DISPLAY	
Size	11.6" TFT-LCD
Max. Resolution	1920 x 1080
Luminance (cd/m2)	300nits (Option: 500nits)
Glass Type	Gorilla® Glass 3 and Direct Bonding
TOUCH SCREEN	
Type	P-CAP
Touch	10 point capacitive multi-touchscreen supporting glove mode and rain mode
TABLET	
Operating System	Windows® 10 IoT Enterprise 2016 LTSB (Option: Linux CentOS7)
Processor	Intel® Apollo Lake Pentium N4200E (Quad-Cores) 1.1GHz with turbo frequency to 2.5GHz, 2MB L2 Cache (4 Threads)
Chipset	Intel® SoC Integrated
System RAM	LPDDR4 3733MHz 4GB (Option: 8GB)
System ROM	M.2 SSD 64GB (Option: 256GB)
Wireless	IEEE 802.11 ac/a/b/g/n (2.4GHz/5GHz)
Bluetooth	BT V4.2
LTE/GPS	GPS (UBX-G8020-KT) Option: LTE CAT4 w/ M.2 Slot Comp. w/ regular M.2 card (Support by Request)
NFC	NFC Reader (NXP NPC300)
Barcode Scanner	Option: SW Decode: Honeywell SwiftDecoder (1D/2D Support)
Rear Camera	8MP Auto-Focus CMOS built-in module with Flash LED
Switch Key	1 x Dump Switch ; 1 x Reset Switch
Sensor	Ambient Light Sensor, Gyro Sensor & G-sensor
Speaker	2 x 0.8W
Microphone	Yes
LED Indicator	Charging LED, Power LED
Main Battery	4.2 hr, 19.53Whr Removable lithium battery with latch lock (2570mAh, 7.6V)
Hot-Swappable Battery	Yes, 2.66Whr back-up battery (700mAh*1, 3.8V, 1S1P)
I/O Port	1 x USB 3.0 Type-A
	1 x Nano-SIM w/ LTE only (Support by Request)
	1 x Audio Jack
	1 x DC Jack
	1 x POGO Connector
Keypad	1 x Power Key
	2 x Volume Key
	3 x Capacitive Function Key (on front side)
Fully Rugged Feature	IP65 MIL-STD-810G: - 1.2M Drop - Shock & Vibration - Sand & Dust-Blowing Sand - High/Low Temperature – Operation - High/Low temperature – Storage - Freeze/thaw –Rapid temperature change - Thermal Shock
Dimension	299 x 199 x 17.7 mm (w/o bumpers & hand-strap) / 307.9 x 207.9 x 29.3 mm (w/ bumpers & hand-strap)
Weight	895g (Entry WiFi SKU)
Operating Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 60°C
Storage Humidity	10% ~ 90% @40°C non-condensing
Security	HW TPM 2.0 FIPS 140-2 Level 2 Compliance
Certification	CE/FCC/VCCI
Hand-strap	Yes
Shoulder-strap	Yes
Power Adapter	AC to DC, DC 19V 65W Adaptor

Peripheral

Docking Station		
Key Feature	Desktop Cradle with Power Charging	
	Battery Charging Bay and I/O Expansion	
I/O	1 x Powered 24V USB	
	1 x USB 3.0 Type-A	
	2 x USB 2.0 Type-A	
	1 x HDMI 1.3	
	1 x Powered 5V/12V Serial Port	
	1 x Giga LAN	
	1 x Battery Charging Slot	
	1 x DC Jack	
Power Adapter	AC to DC, DC 24V 180W Adapter	

Extension Cover	
Key Feature	Vehicle Mounting VESA mount support 75 mm x 75mm
	Power Charging and I/O Expansion
	Clip-Fix Design for Pick-up Tablet by Tool-Less
I/O	1 x Powered 24V USB
	1 x USB 3.0 Type-A
	1 x HDMI 1.3
	1 x Powered 5V/12V Serial Port
	1 x Giga LAN
	(Optional) 3 x SMA (2 x LTE and 1 x GPS) for RF Antenna Path
	(Optional) 1 x Nano-SIM (support by request)
	1 x DC Jack
Power Adapter	AC to DC, DC 24V 180W Adapter