



FULLY RUGGED TABLET

FULLY RUGGED LAPTOP

MCA

PANEL PC

### T10a

**Processor**  
CPU  
Intel® Silverthorne XL Z520PT 1.33 GHz, TDP 2.3W  
Chipset  
Intel® Poulso XL US15WPT 533 MHz FSB

**Memory & Storage**  
Main DRAM  
1GB DDR2 Single Slot (Max 2GB)  
Storage  
1.8" SATA HDD 120GB  
1.8" SATA SSD 32GB  
– Option

**Display Specifications**  
Display  
10.4" XGA TFT (1024x768)  
Touch Screen  
Dual Mode Touch Screen (Resistive and Digitizer)  
Sunlight Readable  
Out-Door Viewable.  
350 nits wo/touch – Standard  
1000 nits (0.25nits ~ 1000nits 16 levels)  
– Option

**Dimensions and Weight**  
(W) x (L) x (D) mm Kg  
310 x 245 x 46 mm  
2.2kg

**Audio**  
Integrated stereo speakers  
Array Mic

**System I/O**  
I/O Port  
2 x USB 2.0 ports  
1 x LAN (RJ-45)  
10/100/1000 Mbit  
1 x PCI-E Slot (Type 34)  
2 x Mini PCI-E (WWAN, WLAN compatible)  
1 x Headphone  
1 x Microphone  
1 x DC-in  
1 x Docking Connector  
Hot Key  
1 x Power On/ Off  
1 x SAS (Ctrl+Alt+Del)  
1 x Fn button  
5 x Programmable button (F1–F5, F6-F10)

**Integrated IO**  
1 x Color Camera , 1.3 Megapixel CMOS with Flashlight

**Communication**  
LAN  
10/100/1000 Ethernet  
Modem  
N/A  
WLAN  
802.11 a/b/g/n  
WWAN  
Mini card Option  
Bluetooth  
v2.1 + EDR  
GPS  
GPS - option

**Security**  
TPM  
V1.2  
Biometrics  
Finger print scanner

### T10aw

**Processor**  
CPU  
Intel® Silverthorne XL Z520PT 1.33 GHz, TDP 2.3W  
Chipset  
Intel® Poulso XL US15WPT 533 MHz FSB

**Memory & Storage**  
Main DRAM  
1GB DDR2 Single Slot (Max 2GB)  
Storage  
1.8" SATA HDD 120GB  
1.8" SATA SSD 32GB  
– Option

**Display Specifications**  
Display  
10.1" WSVGA TFT (1024x600)  
Touch Screen  
Resistive Touch Screen  
Sunlight Readable  
180 nits wo/touch – Standard

**Dimensions and Weight**  
(W) x (L) x (D) mm Kg  
310 x 245 x 46 mm  
2.1kg

**Audio**  
Integrated stereo speakers  
Array Mic

**System I/O**  
I/O Port  
2 x USB 2.0 ports  
1 x LAN (RJ-45)  
10/100/1000 Mbit  
1 x PCI-E Slot (Type 34)  
2 x Mini PCI-E (WWAN, WLAN compatible)  
1 x Headphone  
1 x Microphone  
1 x DC-in  
1 x Docking Connector  
Hot Key  
1 x Power On/ Off  
1 x SAS (Ctrl+Alt+Del)  
1 x Fn button  
5 x Programmable button (F1–F5, F6-F10)

**Integrated IO**  
1 x ColorCamera , 1.3 Megapixel CMOS with Flashlight

**Communication**  
LAN  
10/100/1000 Ethernet  
Modem  
N/A  
WLAN  
802.11 a/b/g/n  
WWAN  
Mini Card Option  
Bluetooth  
v2.1 + EDR  
GPS  
GPS - option

**Security**  
TPM  
V1.2  
Biometrics  
Finger print scanner

### RT1

**Processor**  
CPU  
Intel® Core 2 Duo CPU Chipset  
Intel® 965GME+ICH8M

**Memory & Storage**  
Main DRAM  
1GB DDR2 (Max 4GB)  
Storage  
1.8" SDD 32GB

**Display Specifications**  
Display  
10.4" XGA TFT (1024x768)  
Touch Screen  
Resistive Touch Screen  
Sunlight Readable  
10.4" Out-Door viewable  
1000 nits -- Standard

**Dimensions and Weight**  
(W) x (L) x (D) mm Kg  
317.5 x 228.6 x 53mm  
2.5kg

**Audio**  
N/A

**System I/O**  
I/O Port  
1 x USB 2.0 port  
1 x Power DC-in  
1 x LAN 10/100/1000  
Hot Key  
1 x Power button  
1 x brightness switch

**Integrated IO**  
1 x ALS(Ambient Light Sensor)

**Communication**  
LAN  
N/A  
Modem  
N/A  
WLAN  
802.11 b/g/n  
WWAN  
N/A  
Bluetooth  
N/A  
GPS  
N/A

**Security**  
TPM  
V1.2  
Biometrics  
N/A

### RT2

**Processor**  
CPU  
Intel® Silverthorne XL Z530P 1.6 GHz  
Chipset  
Intel® Poulso XL US15WPT 533 MHz FSB

**Memory & Storage**  
Main DRAM  
1GB DDR2 Single Slot (Max 2GB)  
Storage  
1.8" SATA HDD 80GB

**Display Specifications**  
Display  
7" WVGA (800 x 480)  
Touch Screen  
Resistive Touch Screen  
Sunlight Readable  
Out-Door Viewable.  
310 nits wo/touch

**Dimensions and Weight**  
(W) x (L) x (D) mm Kg  
227 x 161 x 31.5 mm  
1.15kg

**Audio**  
HD Audio  
Integrated stereo speakers  
Array Mic

**System I/O**  
I/O Port  
1 x RS-232  
1 x VGA / D-sub 15-pin  
1 x Headphones/Speaker  
1 x Microphone/line in  
1 x DC-in  
1 x Docking Connector  
1 x Expansion Slot  
Hot Key  
Power On/ Off  
SAS (Ctrl+Alt+Del)  
Wireless Switch  
Screen Rotate Buttons  
Direction & Enter Buttons  
Volume Up/ Down  
Brightness Up/ Down  
Thumbstick Cursor Buttons

**Integrated IO**

**Communication**  
LAN  
N/A  
Modem  
N/A  
WLAN  
802.11 b/g/n  
WWAN  
N/A  
Bluetooth  
v2.1 + EDR  
GPS  
N/A

**Security**  
TPM  
V1.2  
Biometrics  
Finger print scanner

### N13i

**Processor**  
CPU  
Intel® Core™2 Duo U7500  
Chipset  
Intel® 965GME + ICH8M

**Memory & Storage**  
Main DRAM  
1GB DDR2 (Max 4GB)  
Storage  
DVD Super Multi Drive  
2.5" SATA HDD 250GB

**Display Specifications**  
Display  
13.3" WXGA TFT (1280x800)  
Touch Screen  
Resistive Touch Screen  
Sunlight Readable  
Out-Door Viewable.  
– Option

**Dimensions and Weight**  
(W) x (L) x (D) mm Kg  
344 x 297.6x 58 mm  
4.1kg

**Audio**  
Integrated stereo speakers  
Array Mic

**System I/O**  
I/O Port  
1 x LAN (RJ45)  
1 x VGA / D-sub 15-pin  
3 x USB 2.0 ports  
1 x Headphone/speaker  
1 x Microphone/line in  
1 x DC-in  
1 x SIM Card  
1 x PC Card Slot  
1 x SD Card Reader  
1 x Docking Connector  
1 x RS-232  
1 x RJ11  
1 x Smart Card Reader  
– Option  
Hot Key  
1 x Power On/ Off  
1 x RF switch On/Off  
1 x Virtual keyboard  
1 x LCD brightness Up/ Down  
1 x LED backlight  
keyboard Up/Down  
1 x Screen Rotation  
1 x SAS key

**Integrated IO**  
1 x Keyboard (Support 86 keys for US, 87 keys for UK, Backlight – Option)

**Communication**  
LAN  
10/100/1000 Ethernet  
Modem  
56Kbps (V.92)  
WLAN  
802.11 a/b/g/n  
WWAN  
Mini Card Option  
Bluetooth  
v2.1 + EDR  
GPS  
GPS

**Security**  
TPM  
V1.2  
Biometrics  
Finger print scanner

### N13m

**Processor**  
CPU  
Intel® Core™2 Duo SU9300  
Chipset  
Intel® GM45 + ICH9M

**Memory & Storage**  
Main DRAM  
1GB DDR2 (Max 4GB)  
Storage  
DVD Super Multi Drive  
2.5" SATA HDD 250GB

**Display Specifications**  
Display  
13.3" WXGA TFT (1280x800)  
Touch Screen  
Resistive Touch Screen  
Sunlight Readable  
Out-Door Viewable.  
– Option

**Dimensions and Weight**  
(W) x (L) x (D) mm Kg  
344 x 297.6 x 58 mm  
4.1kg

**Audio**  
Integrated stereo speakers  
Array Mic

**System I/O**  
I/O Port  
1 x LAN (RJ45)  
1 x VGA / D-sub 15-pin  
3 x USB 2.0 ports  
1 x Headphone/speaker  
1 x Microphone/line in  
1 x DC-in  
1 x SIM Card  
1 x PC Card Slot  
1 x SD Card Reader  
1 x Docking Connector  
1 x RS-232  
1 x RJ11  
1 x Smart Card Reader  
– Option  
Hot Key  
1 x Power On/ Off  
1 x RF switch On/Off  
1 x Virtual keyboard  
1 x LCD brightness Up/ Down  
1 x LED backlight  
keyboard Up/Down  
1 x Screen Rotation  
1 x SAS key

**Integrated IO**  
1 x Keyboard (Support 86 keys for US, 87 keys for UK, Backlight – Option)

**Communication**  
LAN  
10/100/1000 Ethernet  
Modem  
56Kbps (V.92)  
WLAN  
802.11 a/b/g/n  
WWAN  
Mini Card Option  
Bluetooth  
v2.1 + EDR  
GPS  
GPS

**Security**  
TPM  
V1.2  
Biometrics  
Finger print scanner

### N45c

**Processor**  
CPU  
Intel® Core™2 Duo next gen.  
Chipset  
Intel® GME next gen.  
GPU: ATI M96 CSP

**Memory & Storage**  
Main DRAM  
2GB DDR3 Dual channel (Max 8GB)  
Storage  
DVD Super Multi Drive  
2.5" SATA HDD 250GB  
2.5" SATA SSD 32GB  
– Option

**Display Specifications**  
Display  
15" XGA TFT (1024x768)  
Touch Screen  
Resistive Touch Screen  
– Option  
Sunlight Readable  
Out-Door Viewable.  
1600 nits

**Dimensions and Weight**  
(W) x (L) x (D) mm Kg  
360 x300 x70 mm  
5.9kg

**Audio**  
Integrated stereo speakers  
Array Mic

**System I/O**  
I/O Port  
3 x USB 2.0 ports  
1 x LAN (RJ-45)  
10/100/1000 Mbit  
1 x RJ-11  
1 x SD  
1 x Express54/34  
1x RS-232/422/485  
1 x ext. antenna pass-through port  
1 x Headphone & Microphone  
1 x DC-in  
1 x Docking Connector  
1 x VGA / D-sub 15-pin  
1 x Smart Card reader  
Hot Key  
1 x Power On/ Off  
1 x RF switch On/Off  
1 x LED indicators On/Off  
1 x LCD brightness Up/ Down  
1 x LED backlight  
keyboard Up/Down

**Integrated IO**  
1 x Keyboard (Support 86 keys for US; 87 keys for UK, Backlight – Option)  
Media Bay:  
- DVD Super Multi Drive  
- 2.5" SATA HDD – Option  
- Secondary hot-swappable battery – Option  
Flex Bay:  
- 2.5" SATA HDD 250GB  
- 2nd PC card slot – Option  
- 2nd LAN & RS-232/422/485 – Option

**Communication**  
LAN  
10/100/1000 Ethernet  
Modem  
56Kbps (V.92)  
WLAN  
802.11 a/b/g/n  
WWAN  
Mini Card Option  
Bluetooth  
v2.1 + EDR  
GPS  
GPS – Option

**Security**  
TPM  
V1.2  
Biometrics  
Finger print scanner

### M10a

**Processor**  
CPU  
Intel® Silverthorne XL 1.6 GHz  
Chipset  
Intel® Poulso XL – 533 MHz FSB

**Memory & Storage**  
Main DRAM  
1GB DDR2 Single Slot (Max 2GB)  
Storage  
1.8" SATA HDD 80GB  
1.8" SATA SSD 32GB  
– Option

**Display Specifications**  
Display  
10.4" XGA TFT (1024x768)  
Touch Screen  
Dual Mode Screen (Resistive & Digitizer)  
Sunlight Readable  
Out-Door Viewable.  
10.4" 300 nits -- Standard  
10.4" 1000 nits (0.25nits ~ 1000nits 16 levels)  
– Option

**Dimensions and Weight**  
(W) x (L) x (D) mm Kg  
256 x 285 x 25~38 mm  
1.6kg

**Audio**  
Integrated speakers  
Array Mic

**System I/O**  
I/O Port  
2 x Smartcard reader  
1 x USB 2.0 port  
1 x Power DC-in  
1 x Docking connector  
Hot Key  
1 x SAS Button  
6 x programmable hotkey  
1 x Barcode reader trigger button  
1 x Camera snapshot button  
1 x RFID trigger button  
1 x Power button

**Integrated IO**  
1x RFID reader (13.56MHz, ISO 15693 compliant, Mifare solution)  
1 x Barcode reader (reads 1D & 2D) – Option  
1 x 2M Pixel camera with AF & LED flash

**Communication**  
LAN  
N/A  
Modem  
N/A  
WLAN  
802.11 a/b/g/n  
WWAN  
WWAN Qualcomm Gobi2000 Mini Card Option  
Bluetooth  
v2.1 + EDR  
GPS  
N/A

**Security**  
TPM  
V1.2  
Biometrics  
Finger print scanner

### RT3

**Processor**  
CPU  
Intel® Core 2 Duo CPU Chipset  
Intel® 965GME+ICH8M

**Memory & Storage**  
Main DRAM  
1GB DDR2 (Max 4GB)  
Storage  
1.8" SATA HDD 80GB

**Display Specifications**  
Display  
10.4" XGA TFT (1024x768)  
Touch Screen  
10.4" Industrial Screen with Digitizer  
Touch – Option  
Sunlight Readable  
10.4" 300 nits -- Standard

**Dimensions and Weight**  
(W) x (L) x (D) mm Kg  
280 x 270 x 25 mm  
1.3kg

**Audio**  
Integrated speakers  
Array Mic

**System I/O**  
I/O Port  
3 x USB 2.0 port  
1 x Power DC-in  
1 x COM port  
1 x VGA output or RS/422/485  
Hot Key  
1 x Power button  
6 x programmable key  
– Option

**Integrated IO**  
N/A

**Communication**  
LAN  
N/A  
Modem  
N/A  
WLAN  
802.11 b/g/n  
WWAN  
N/A  
Bluetooth  
v2.1 + EDR  
GPS  
N/A

**Security**  
TPM  
V1.2  
Biometrics  
N/A



FULLY RUGGED TABLET

FULLY RUGGED LAPTOP

MCA

PANEL PC

### T10a

#### Power Supply

Battery  
Lithium Battery Pack @ 5200 mAh 7.4V 38wh.  
Support Hot-Swappable 60s (S0 Mode)  
AC Adapter  
Input 100~240V, 50/60Hz universal  
Output: 19V DC  
Operating Temp. -20°C to 50°C \*

#### Heat Dissipation

Fan  
Fanless

#### Environmental

Dust & Water Proof  
IP-67 Compliant  
Drop  
MIL-STD 810F  
4 feet on concrete, 26 directions  
Temperature  
MIL-STD 810F 501.4, 502.4 Procedure I and II  
Operating: -20°C to 60°C  
Storage: -30°C to 70°C

#### Regulatory Compliant

EMI  
MIL-STD 461E Ground Army w/Adapter, CE and FCC  
Safety  
CB and UL listed, RoHS Compliant

#### Operating System

Microsoft Windows XP Tablet, Windows 7 Compatible  
Linux kernel-2.6 above

### T10aw

#### Power Supply

Battery  
Lithium Battery Pack @ 5200 mAh 7.4V 38wh.  
Support Hot-Swappable 60s (S0 Mode)  
AC Adapter  
Input 100~240V, 50/60Hz universal  
Output: 19V DC  
Operating Temp. -20°C to 50°C \*

#### Heat Dissipation

Fan  
Fanless

#### Environmental

Dust & Water Proof  
IP-67 Compliant  
Drop  
MIL-STD 810F  
4 feet on concrete, 26 directions  
Temperature  
MIL-STD 810F 501.4, 502.4 Procedure I and II  
Operating: -20°C to 60°C  
Storage: -30°C to 70°C

#### Regulatory Compliant

EMI  
MIL-STD 461E Ground Army w/Adapter, CE and FCC  
Safety  
CB and UL listed, RoHS Compliant

#### Operating System

Microsoft Windows XP Tablet, Windows 7 Compatible  
Linux kernel-2.6 above

### RT1

#### Power Supply

Battery  
9 cells core pack battery module, 2600mAh cell, 77Whrs  
AC Adapter  
Input 100~240V, 50/60Hz universal  
Output: 19V DC  
Operating Temp. -20°C to 50°C

#### Heat Dissipation

Fan  
IP-54 compliant Fan

#### Environmental

Dust & Water Proof  
IP-54 Compliant  
Drop  
MIL-STD 810F  
4 feet on concrete, 26 directions  
Temperature  
MIL-STD 810F  
Operating: -20°C to 60°C  
Storage: -30°C to 70°C

#### Regulatory Compliant

EMI  
CE and FCC  
Safety  
CB and UL listed, RoHS Compliant

#### Operating System

Microsoft Windows XP Tablet  
Windows 7

### RT2

#### Power Supply

Battery  
Lithium 4 Cells (2S2P), 7.4V @ 5200 mAh,  
AC Adapter  
Input 100~240V, 50/60Hz universal  
Output: 12V DC, 3.0A

#### Heat Dissipation

Fan  
Fanless

#### Environmental

Dust & Water Proof  
IP-54 Compliant  
Drop  
Test height: 4 feet  
Test Surface: 3 cm Plywood  
Drop Sequence : 26 drops  
Temperature  
Operation: 0°C to 40°C  
Storage: -30°C to 60°C

#### Regulatory Compliant

EMI  
CE and FCC  
Safety  
CB and UL, RoHS Compliant

#### Operating System

Microsoft Windows XP Tablet

### N13i

#### Power Supply

Battery  
Lithium 9 cell Battery Pack  
Battery life around 5 hrs  
Charging time: around 2.5hrs to 80%  
AC Adapter  
Input 100~240V, 50/60Hz universal  
Output: 19V DC

#### Heat Dissipation

Fan  
Fanless

#### Environmental

Dust & Water Proof  
IP-54 Compliant  
Drop  
MIL-STD 810F  
3 feet on plywood, 26 directions  
Temperature  
MIL-STD 810F 501.4, 502.4 Procedure I and II  
Operating: -20°C to 50°C  
Storage: -20°C to 60°C

#### Regulatory Compliant

EMI  
CE and FCC  
MIL-STD 461E  
Safety  
CB and UL listed, RoHS Compliant

#### Operating System

Microsoft Windows XP Tablet PC Edition  
Microsoft Windows Vista Business 32 bits

### N13m

#### Power Supply

Battery  
Lithium 9 cell Battery Pack  
Battery life around 5 hrs  
Charging time: around 2.5hrs to 80%  
AC Adapter  
Input 100~240V, 50/60Hz universal  
Output: 19V DC

#### Heat Dissipation

Fan  
Fanless

#### Environmental

Dust & Water Proof  
IP-54 Compliant  
Drop  
MIL-STD 810F  
3 feet on plywood, 26 directions  
Temperature  
MIL-STD 810F 501.4, 502.4 Procedure I and II  
Operating: -20°C to 50°C  
Storage: -20°C to 60°C

#### Regulatory Compliant

EMI  
CE and FCC  
MIL-STD 461E  
Safety  
CB and UL listed, RoHS Compliant

#### Operating System

Microsoft Windows XP Tablet PC Edition  
Microsoft Windows Vista Business 32 bits

### N45c

#### Power Supply

Battery  
Primary 6 cell Battery Pack  
Secondary 6 cell Battery Pack – option  
Hot-Swappable Support  
AC Adapter  
Input 100~240V, 50/60Hz universal  
Output: 19V DC  
Operating Temp. -20°C to 50°C \*

#### Heat Dissipation

Fan  
IP-54 compliant Fan

#### Environmental

Dust & Water Proof  
IP-54 MIL-STD 810F Compliant  
Drop  
MIL-STD 810F  
3 feet on plywood, 26 directions  
Temperature  
MIL-STD 810F 501.4, 502.4 Procedure I and II  
Operating: -20°C to 60°C  
Storage: -30°C to 70°C

#### Regulatory Compliant

EMI  
CE and FCC  
MIL-STD 461E  
Safety  
CB and UL listed, RoHS Compliant

#### Operating System

Microsoft Windows XP  
Microsoft Windows Vista Business  
Microsoft Windows 7  
Linux

### M10a

#### Power Supply

Battery  
Two Lithium Battery Pack @ total 5200 mAh 7.4V  
AC Adapter  
Input 100~240V, 50/60Hz universal  
Output: 19V DC  
Operating Temp. -20°C to 50°C

#### Heat Dissipation

Fan  
Fanless

#### Environmental

Dust & Water Proof  
IP-54 Compliant  
Drop  
MIL-STD 810F  
3 feet on Plywood over concrete, 26 directions  
Temperature  
Operating: 5°C to 40°C  
Storage: -20°C to 60°C

#### Regulatory Compliant

EMI  
CE and FCC  
Safety  
CB and UL listed, RoHS Compliant

#### Operating System

Microsoft Windows XP Tablet  
Windows 7  
Linux kernel-2.6 above

### RT3

#### Power Supply

Battery  
None  
AC Adapter  
Input 100~240V, 50/60Hz universal  
Output: 19V DC  
Operating Temp. -20°C to 50°C

#### Heat Dissipation

Fan  
Fanless

#### Environmental

Dust & Water Proof  
IP-54 Compliant  
Drop  
Temperature  
Operating: 0°C to 40°C  
Storage: -20°C to 60°C

#### Regulatory Compliant

EMI  
CE and FCC  
Safety  
CB and UL listed, RoHS Compliant

#### Operating System

Microsoft Windows XP Tablet  
Windows 7  
Linux kernel-2.6 above

\*Subject to be changed without notice.

## OEM & ODM customers welcomed

www.pegatroncorp.com/ipc  
ipc\_sales@pegatroncorp.com

# PEGATRON

Navigate the future ➤

IPC Business Unit, a rugged laptop, rugged tablet, mobile clinic assistant and gaming box provider.

Pegatron IPC BU offers a wide spectrum of IPC services that can be customized per customer's requests. With strong R&D capabilities, Pegatron achieves the following features which distinguish us from others and make us one of the leading IPC providers.

We distinguish ourselves on the basis of a well-diversified product portfolio, abundant design experience, flexible manufacturing capabilities, and reliable after-sale services.

- The best combination of performance, mobility, security, and durability
- Thermal Control System (TCS) for battery life extension
- Use thermal film design algorithm to achieve ultra-wide operating temperature range (-40°C ~ 80°C)
- IP rating up to IP67
- Computrace® Anti-Theft Security Embedded
- Meet military EMC standards (MIL-STD-461E, GJB151A-97) & environmental reliability requirements (MIL-STD-810F)
- Sunlight readable technique reaching 1,000 nits. Dual-mode active pen and touch screen.
- EPEAT-registered and Energy Star qualified for energy efficiency.

Pegatron, Taiwan-based leading DMS (Design and Manufacturing Service) company with extensive experience in product development and vertically integrated capabilities. With equity of US\$2.7 billion, Pegatron is a market leader in developing diversified product lines except IPC products they cover motherboards, desktop PCs, notebooks, broadband, wireless systems, game consoles, networking, PBX, multimedia, LCD TV, and more.