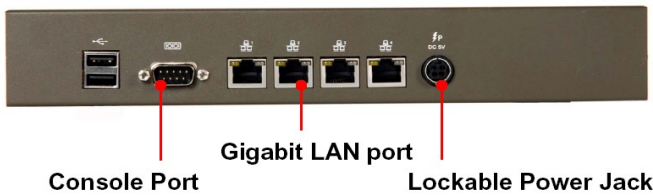


# Teak 3023

Intel® SOC Pentium M Network Security Server  
with High Performance H/W Security Engine  
up to 4 ports GB LAN

## Feature

- Compact size Network Security Platform
- Intel® Pentium M 600Mhz~1.2Ghz EP80579 SOC Processor  
With high performance H/W Security engine
- 1 Channel DDR2 Memory , Up to 2 GB w/o ECC
- Build-in 4 ports GbE LAN
- Pre-setting By-pass Function when power On/Off
- 1 Mini PCI Express expansion slots
- 1 CF storage socket
- Internal 2.5 " STAT Drive bay



## Specification

### Form Factor

- Compact size Chassis , Heavy-Duty Steel

### Dimension

- Compact size 275(W) X 144.5(D) X 43.5(H) mm

### Processor

- Support Intel® low power consumption SOC Pentium M Processor EP80579 . Speed from 600Mhz up to 1.2Ghz .
- Build-in high performance H/W Security Engine :  
Ciphers : AES , 3DAES , ARC4,  
Hash : MD5 , SHA-1 , SHA-224-256-384-512 , HMAC  
Public Key : RSA , DSA , DH , SSL/TLS , TRNG
- Integration system core logic and south bridge

### Memory

- 1 Channel SODIMM DDR2 Memory , Up to 2GB w/o ECC  
400 / 533 / 667 / 800 Mhz DDR2 Memory

### BIOS

- Award System BIOS
- Support Console Redirection
- Support Power on after power fail as the BIOS option
- By-pass Enable/Disable selection

### Extra Linux Driver

- LAN By-pass Driver
- Watch-Dog Timer Driver
- System Status LED Control Driver
- Push Button Shutdown Driver

### Disk Drive Storage

- 1 Drive bay for 2.5" SATA HDD

### Expansion

- 1 Mini PCI Express slots



### Ethernet

- 4 ports of PCI-E I/F Intel 82573L Giga bit LAN controller  
3 port from Tolapai internal LAN engine , 1 port from  
Intel 82573L PCI Express LAN Controller

### Pre-setting By-pass function when PowerON/ OFF

- 2 ports of Giga bit LAN support LAN By-pass function
- LAN By-pass function Enable / Disable pre-setting by BIOS  
when power ON or OFF

### System Management

- 1 ports of DB-9 Series Console at front panel
- 2 ports USB 2.0 in the Front

### Watchdog timer

- Software programmable WDT from 1 to 255 seconds/minutes

### Internal reserved I/O

- Keyboard / Mouse pin header interface

### Power Supply

- 60W industry grade power adapter
- AC input : 90 ~ 264 V full range at 47 ~ 63 Hz
- DC output : 12V , lockable power jack

### Power ON/OFF mode

- AT Power ON/OFF mode

### Color

- Black 4U ( optional color by special request )

### Environment

- Operation temperature : 0°C ~ 40°C
- Storage temperature : -20°C ~ 80°C
- Relative humidity : 10% ~ 90% ( Non-condensing)

### Certification

- CE Class A
- FCC Class A

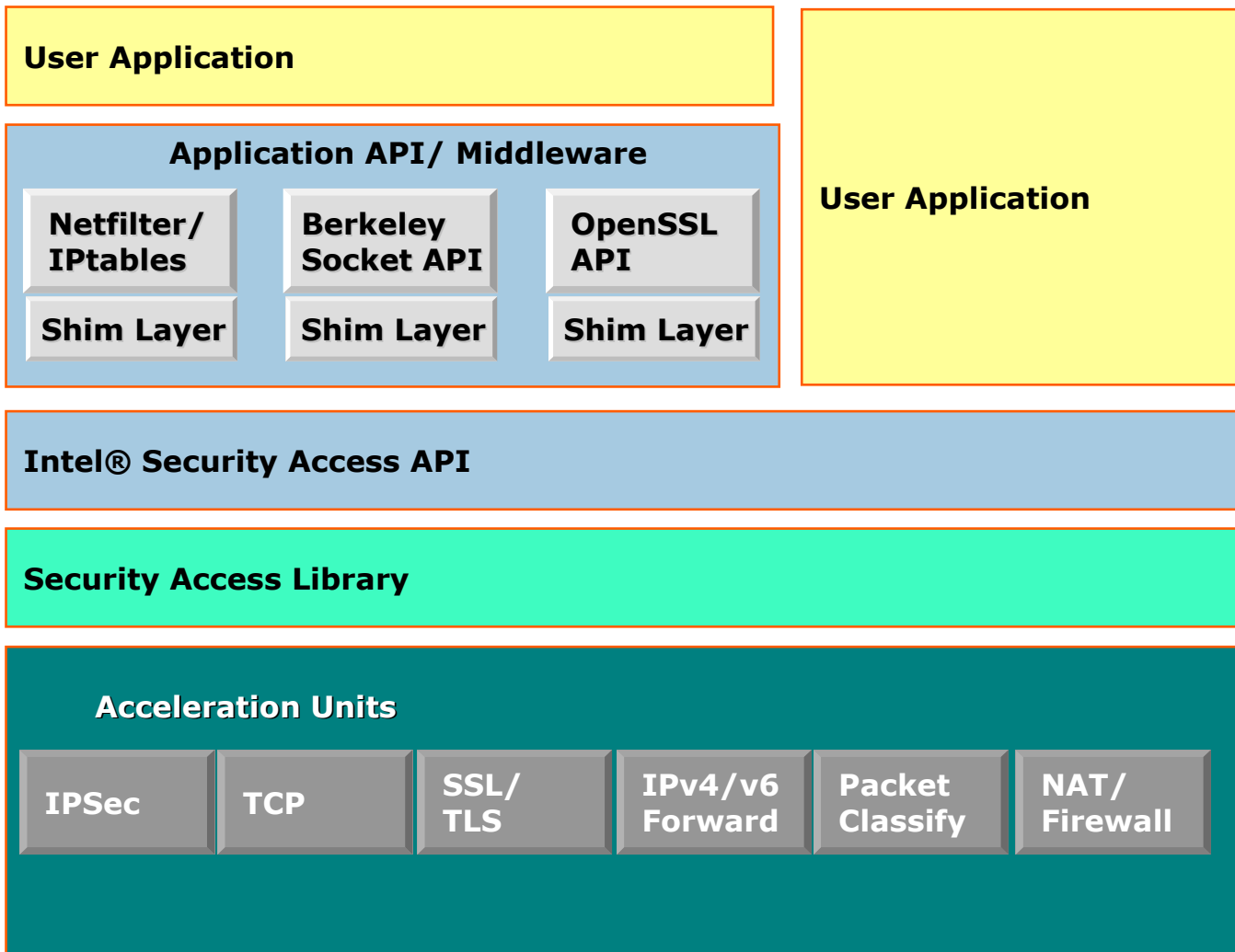
## Ordering Guide

Ordering NO.	CPU speed	DDR-2 Memory	Security Engine	Ethernet Port	Wireless LAN	LCM	Color
Teak 3023-165	1.2 Ghz	512MB	Available	4 Copper GbE	N/A	N/A	Black 4U
Teak 3023-166	1.2 Ghz	1GB	Available	4 Copper GbE	N/A	N/A	Black 4U

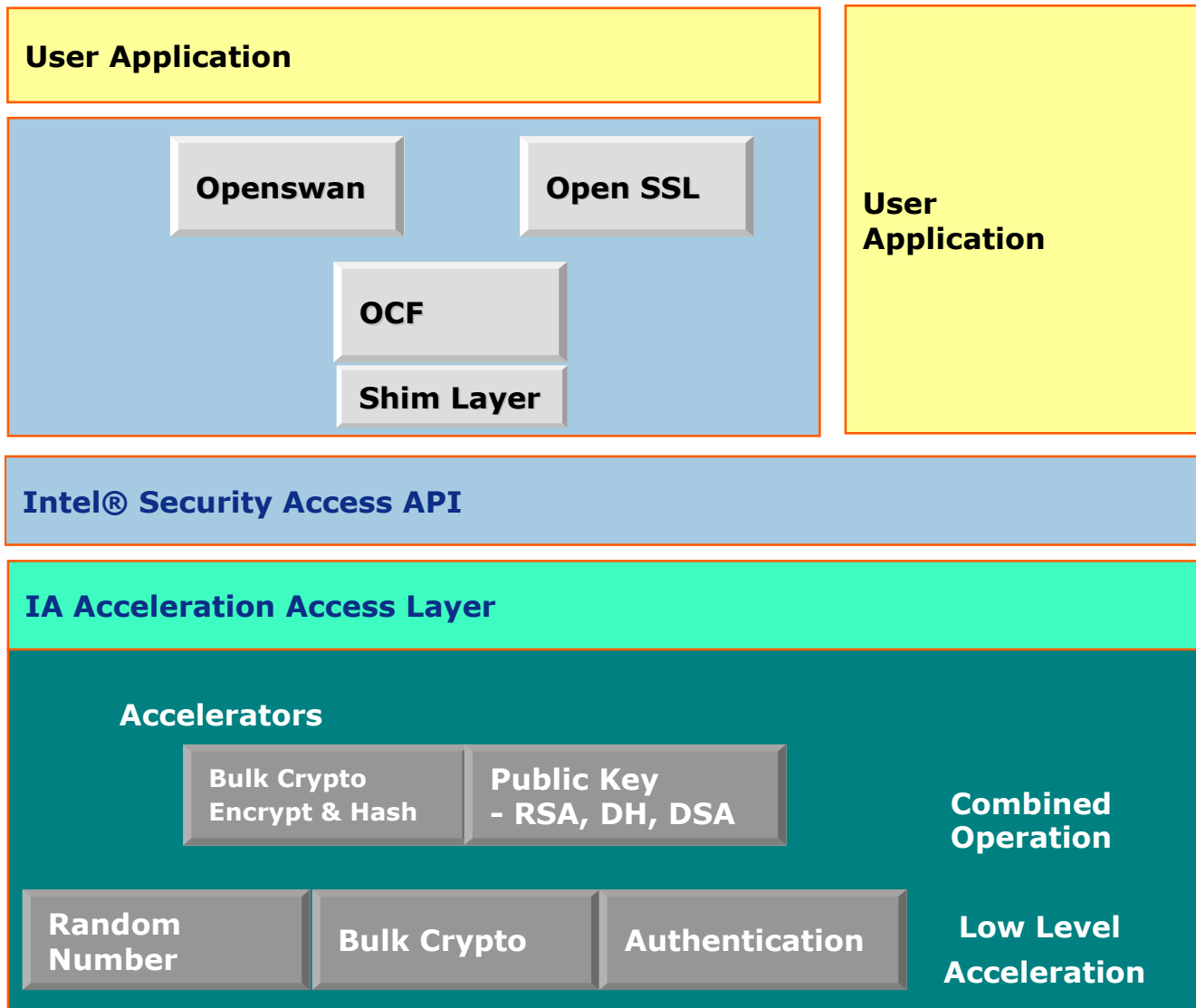
Note : Memory , CF module , HDD , 802.11 b/g/n Wireless LAN module are optional order

Specification change without notice

# Security - Inline Package / Structure



# Security - Lookaside Package / Structure



## Security Performance Projections (Inline)†

IPSec VPN	1.6 Gbps aggregate @ 1 KB packet size
IKE's per second	1000 MM/Sec for IPSec
TCP Proxy	1 Gbps (@256B) , 25k connections per second
Firewall	400 Mbps, 1000 handshakes per second
SSL	2 Gbps (@256B), 25k connections per second