

Model No : FN5-45PF

Lanready Network Security Appliance – Support 4 Mini PCI Socket



**Key Feature :**

- CPU- Intel IXP42x-based network processor
- Flash-16/32MB
- DRAM-32/64/128MB
- Mini PCI- 4 mini PCI Slot
- Support Real-time-clock
- PoE – Proprietary , 12V-48VDC
- Provides 5V Power Output pins
- Provides JTAG
- Console port with RJ11 connector
- Support Wide-Range Temperature

FN5-45PF is a fully-featured reference appliance for based on the Intel®IXP42x-based network processor, targeting small and medium business and embedded computing applications. FN5-45PF enables rapid evaluation and development of converged “ solution in a box “ products – integrating Office UTM Firewall ,Wireless Mesh Router , enterprise-grade wireless access point , Medical Ethernet-enable equipment .

FN5-45PF is also targeted at general-purpose evaluation and development requirements in support of the Intel®IXP42x-based product lines. The board is fully RoHS compliant and is in full production .

**Application :**



## LanReady Technologies Inc.

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- **QUAD / TRI Radio Mesh Router**
- **3G Router**
- **VPN Router**
- **Load Balancer**
- **UTM Firewall**
- **Outdoor Point-to-Point**
- **Outdoor Point-to-Multi-Point**
- **Hot Spot Gateway**
- **Industrial-Use Wireless Access**
- **Outdoor Surveillance**

### Software and Tools Support

|                             |                                                      |
|-----------------------------|------------------------------------------------------|
| <b>Bootloader</b>           | Rednoot v2.01                                        |
| <b>Operating Systems</b>    | Monta Vista Linux 3.1 Pro (2.4 kernel) w/preview kit |
|                             | WindRiver-VxWorks:5.5.1                              |
| <b>Application Software</b> | Wili Mesh                                            |
|                             | Wili AP                                              |

| <b>Specifications</b>              |                                                                                                                                                               |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Base Platform</b>               | Intel IXP 425                                                                                                                                                 |
| <b>Clock Speed</b>                 | 533                                                                                                                                                           |
| <b>RS232</b>                       | Consol Port with RJ11                                                                                                                                         |
| <b>Reset Switch</b>                | Push-button momentary contact switch                                                                                                                          |
| <b>Standards Conformance</b>       | IEEE 802.3 / IEEE 802.3u                                                                                                                                      |
| <b>Fast-Ethernet Configuration</b> | 10/100 BASE-TX auto-negotiation Ethernet port x 5 (RJ-45 connector)<br>Auto MDI/MDI-X enabled<br><br>WAN : 1 ( Support Passive Power Over Ethernet ), LAN : 4 |
| <b>Mini PCI</b>                    | 4                                                                                                                                                             |
| <b>Mini PCI Power Capacity</b>     | 4W / per socket                                                                                                                                               |
| <b>CF Socket</b>                   | 1                                                                                                                                                             |
| <b>SDRAM</b>                       | 64 Mbytes                                                                                                                                                     |
| <b>Flash</b>                       | 16 Mbytes                                                                                                                                                     |
| <b>LED Indicators</b>              | 10 LEDs , Power(1) WAN(1), LAN(4), WLAN(4)                                                                                                                    |
| <b>5V Power Output</b>             | Provides 5V pins for application use ( ex.Fan Control)                                                                                                        |
| <b>JTAG reserved</b>               | On board connector to connect to off the shelf JTAG CPU emulator                                                                                              |



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| <b>Environmental &amp; Mechanical Characteristics</b> |                                                                  |
|-------------------------------------------------------|------------------------------------------------------------------|
| <b>Operating Temperature</b>                          | -20 °C ~ 85 °C                                                   |
| <b>Storage Temperature</b>                            | -40 °C ~ 85 °C                                                   |
| <b>Operating Humidity</b>                             | 10% to 80% Non-Condensing                                        |
| <b>Storage Humidity</b>                               | 5% to 90% Non-Condensing                                         |
| <b>Power Consumption</b>                              | 5.76 W                                                           |
| <b>Input Power</b>                                    | 12-48 VDC                                                        |
| <b>Connector</b>                                      | DC-In Jack , RJ 45 (Power Over Ethernet) , RJ11 (Consol)         |
| <b>Power Supply</b>                                   | AC Input : 110 – 220V AC Power<br>DC Output : 12 VDC, 1.5A input |
| <b>Unit Dimensions</b>                                | 180x 120 (mm) (Width x Depth )                                   |