ByFRONT
Wired and Wireless Converged “BYOD+IP Management”

Why need BYOD?
- Drastic change into MOBILE OFFICE environment (Fixed / Mobile devices)
- Existing IP Based network control reach breaking point.
- Strong demand for intelligent MOBILE NETWORK / DEVICE control

Benefit of ByFRONT
1. Intelligent Mobile network/device control (With user name, ID, MAC, Connection location and time)
2. Data protection with encryption for wireless network (Wi-Fi)
3. Improved security protection with separate network access route (Company employee route / Guest route)
4. Company cost saving of network maintenance with Employee’s mobile device use for office work.

ByFRONT Web UI

Product Configuration
- ByFRONT (Server)
- InFRONT (Sensor)
- ByFRONT Software
**Product configuration**

**Server Farm**
- ByFRONT Server
- WLAN controller
- Router
- F/W
- Backbone
- Backbone mirroring
- InFRONT Sensor
- Interface System
  - SMS
  - WIPS
  - Employee DB
- Internet

**Office Network**
- Edge Switch
- Wireless AP
- Office VLAN
- GUEST VLAN
- Office SSD
- GUEST SSD

**Specification**

<table>
<thead>
<tr>
<th>Type</th>
<th>Detail function description</th>
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<tbody>
<tr>
<td>Authentication module</td>
<td>- Wired/Wireless converged authentication server (Radius)</td>
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<tr>
<td></td>
<td>- Wired network equipment authentication (IEEE802.1x, Radius)</td>
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<td></td>
<td>- Wireless/sm art device converged authentication (IEEE802.1x)</td>
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<tr>
<td></td>
<td>- ID and MAC based authentication</td>
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<tr>
<td>Management &amp; DHCP module</td>
<td>- BYOD policy server</td>
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<tr>
<td></td>
<td>- Identify smart devices (laptop and smart devices)</td>
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<td></td>
<td>- DHCP server function</td>
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<td></td>
<td>- Static IP assignment</td>
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<td>- Identify the device type when assigning IP and deliver it to the integrated authentication server</td>
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<tr>
<td>Web Authentication Switch (Network sensor)</td>
<td>- Web-based authentication</td>
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<tr>
<td></td>
<td>- Identify/block IP, MAC address, and non-authorized device</td>
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<td>- Collect MAC address and IP for the new devices</td>
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