Winncom ENGINEERING SERVICES

UNLICENSED PTP & PTMP ENGINEERING SERVICES FROM WINNCOM

Unlicensed Point-to-Point Engineering Services

WPSS-PTP-DSG
Unlicensed PTP Network Design, *per link*

Information Required
• Customer's information and project name
• Heights and size limitations of antennas
• Structure e.g. tower, building, water tank, etc.
• Coordinates
• Frequency band preferred
• Throughput desired
• Reliability desired
• Preferred manufacturer

$50.00 per link

Task
• Select planning tool e.g, PathLoss, LinkPlanner
• Import all customer provided information
• Enter site coordinates and mounting heights
• Import terrain and clutter data
• Select frequency band appropriate
  for the path distance
• Select dish size to meet customer requirements
• Produce path calculation reports
• Produce BoM (Bill of Materials)

WPSS-UPTP-UPD
Unlicensed PTP Link Software Update, License Installation, per link

Information Required
• Software release version
• License key coordination
• Product serial number, documentation

$100.00 per link

Task
• Process license key via manufacturer
• License key installation and verification
• Download and install required software version
• Repackage radio for shipping

WPSS-UPTP-STG
Unlicensed PTP Link Staging, *per link*

Information Required
• IP Scheme from the customer
• Frequency, ATPC, polarity, etc.
• Software release version
• License key coordination
• Product serial number, documentation

$200.00 per link

Task
• Process license key via manufacturer
• License key installation and verification
• Download and install required software version
• Login and configure the radio IP address, usernames and passwords
• Program for in-band/out-of-band management
• Bench test microwave links to ensure proper RF and network connectivity
• Label the radios with the site names and IP addresses (customer provided)
• Repackage radio for shipping

Call 888.WINNCOM or visit www.winncom.com

Unlicensed Point-to-Multipoint Engineering Services

WPSS-PTMP-DSG-AP
Unlicensed PTMP Network Design,
per Access Point / Base Station

Information Required
• Customer's information and project name
• Heights and size limitations of antennas
• Structure e.g. tower, building, water tank, etc.
• Coordinates
• Frequency band preferred
• Throughput desired   **$25.00**
• Reliability desired   **per AP**
• Preferred manufacturer

Task
• Select planning tool e.g, PathLoss, LinkPlanner
• Import all customer provided information
• Enter site coordinates and mounting heights
• Import terrain and clutter data
• Select frequency band appropriate for the path distance
• Select dish size to meet customer requirements
• Produce path calculation reports
• Produce BoM (Bill of Materials)

WPSS-PTMP-DSG-SM
Unlicensed PTMP Network Design,
per Subscriber Module / CPE

Information Required
• Customer's information and project name
• Heights and size limitations of antennas
• Structure e.g. tower, building, water tank, etc.
• Coordinates
• Frequency band preferred
• Throughput desired   **$3.00**
• Reliability desired   **per SM**
• Preferred manufacturer

Task
• Select planning tool e.g, PathLoss, LinkPlanner
• Import all customer provided information
• Enter site coordinates and mounting heights
• Import terrain and clutter data
• Select frequency band appropriate for the path distance
• Select dish size to meet customer requirements
• Produce path calculation reports
• Produce BoM (Bill of Materials)

WPSS-PTMP-COV
Unlicensed PTMP Coverage
Map Design, per Sector

$100.00 per Sector

MISCELLANEOUS ENGINEERING SERVICES

WPSS-SITE-SURV-PD - PTP / PMP Site Survey, per day w/o travel expenses

WPSS-REMOTE-PHR - Remote Support and Services, per hour

WPSS-REMOTE-PD - Remote Support and Services, per day

WPSS-ONSITE-SUPP-PD - On-Site Support/Supervision for PTP / PMP, per day w/o travel expenses

WPSS-PM-PD - On-Site Project Management Service, per day w/o travel expenses

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SERVICES

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